1300 CAPE MODES EQUIPMENT OUER

TO 41148 CHARLESTON COOP

AND STARTS RENOUNC MORE

SOIL IN AREA IN WEST 1/2

OF EXCHATION WHERE SCREENING

LEVELS WERE EXCERD IN THE

FIRST ROUND OF CONFIRMATION SAMPLES.

1430 MARK AGGINSKE AND OSCAR
TORKES ON-SITE, MARK (SOFF
TOMORROW SO OSCAR HILL
BE P.O.C. FORHILL.

1515 CENEOR ROCK BRINGS IN ANOTHER

M4.17.11 CODD, THEY DECLUERED 145 TONS,

5 TROCKLEROS TODAY OR ABOUT 100 C Y TMY,

1520 CAPE STARTS BACK FILLING AT

4111 A N. BRIDGE CIRCLE

1600 STOP FOR TODAY MY.14.11
STOP WORK FOR TODAY

Project / Client OCC 13 PCB REMEDIATION TITLET

Project/Client OCI-13 PCB REMEDIATION TITLES

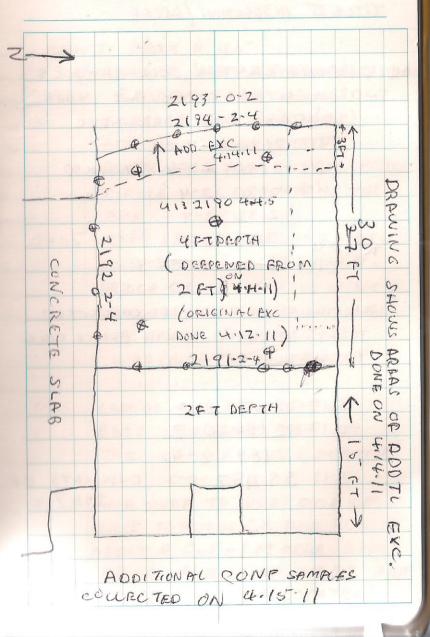
0700 SUTE SAFETY BRIEFING 0765 CAPE IS PREPARING TO LOAD OUT THE SOIL STOCKPILED YESTERDAY (ADDITIONAL SOLL FROM 4114 B CHARLESTON COOP CAR PORT AREA). REMOVING ENOUGH FENCING TO ALLOW END-DUMPS TO BACKIN TO THE WORK BREA 0.720 END-DUMP # 16 APRIVES AND DAOS OT CANDITIZOR 21 0750 TRUCK # 16 IS FULL & POSITION TRUCK # 17 FOR LOADING. 0800 TERRY AND BLAKE DOWNEY WITH MWH ARRIVE - BCAKE LI GOING TO COLLECT THE CONFIRMATION SAMPLES TOOPY 0830 ANOTHER COAD OF FILL ARRIVES. 0855 FINISH LOADING END DUMP

Project/Client BU-13 ACB REMEDIATION

TITLE IT INSPECTION AFCEE

PHOTO COG 415.11 DATE TIME SUB JECT 84 4.15.11 0735 W LOADING END-DOMP # (C WITH ADDITIONAL SOIL REMOUSED FROM 4 (13B CHAZUSCTON COOP CARPORT DIC 84 11 0735 EN CARGED EXCAUATION W AT 4114 B CHPRIESTON 85 LOUP CHRPORT, CAPE REMUUSO ABOUT ANOTHER 40 CZ AFTER CONF. SAMPLES INDICATED PCRS ABOUT SCREENING LEUGUS. 8610 0815 W LOADING END-DUMP # 87 1 0846 5 BLAKE BOWNEY FROM MUIT COLLECTING SAMPLE of U13-2190 PROM PLOCE OF EVC NT 4114B CAARLESTONLOOP (CARPORT HERA)

Location	HILL	AFB	, UT	Date 4615.11	ECHT.
Project / CI	ient			The Bott Berline	



Project/Client\_OU-13 PCB REMEDIATION

TITLE IT IN SPECTION / AFCEE

ANDIL SONFIRMATION SOIL SAMPLES COLLECTED TODAY AT 414B CHARLESTON LODD CARPORTEXC 413-2190 4-4.5 413-2190 A4-4.5 MS/MSO 413-2191 2-4 2182 2-4 m 4-15-11 2183 0-2 2194 2193 00 24

ADDITIONAL CONF SAMPLES COLCRETED TUDAY AT HILL NORTH BRIDGE CIRC EXCAUATION:

413 2187 0-7 413 2188 0-2 2189 2-4 4-13 592187-0-2 DUPLICATE OF 2187

Location HICC AF. R. UT. Date 4:15-11

Project / Client

CONT FROM BUST 350 - SUNNY WIND 85-10 FROM EAST 0900 - ENUCRO-CARE BRINGSOUT ANOTHER ROLL-OFF BOX (#5) ADDITIONAL SOIL WILL BT EXCAUATED FROM 4111 B N. BRIDGE CIRCLE WILL BE PLACED IN THES BOX 0905 CAPE STARTS REMOVING ADDIL SOIL FROM EXCAT HILB W. BRIDGE CIRCLE, SOIL IS DEING REMOVED FROM EAST SIDE WALL WER WHERE SAMPLE 2150 WAS COLLECTED. 0915 CAPOREMOURD ABOUT 6-7 FT EAST AND 2 FT DEEP AT THE SAMPLE 2157 ( OCATION 0920 MOUR OVER TO WEST SIDE OF CELLIB MEBRIDGE CIR AND REMOVE ABOUT & OCS - / FT MORE SOIL FROM N. END OF WEST SIDE OSCAR TURRES ON-SITE

Project/Client OU-13 PCB BEMEDIATION

TITLE I INSPECTION AF AFCEE

PHOTO COG 4.15.11 CAPE REMOVING 88 4015-11 0915 N ADDITIONAL SOIL FROM EAST CONTER WALL GENT NE SECTION OF EXC AT YELL & N. BRIDGE CIRCLE. THIS IS WHERE SAMPLE ZIST WAS ABOUT SSL 89 41511 0935 W REMOUND ADDITIONAL SOIL FROM NORTH SIDE WEST SIDEWALL WORTH END WHERE SAMPLE # 2186 EXCEEDED SSL IN EXC AT 4111 N. BRIDGE CIRCLE W WEST WALL OF 90: 11:15 BAL YIIIB EXC. NEW SAMPLES COLCRETED E FASTWALL OF YIILB EXC 91 ADDIL EXC AREA NEW CONF SAMOURS COLLECTEV

Project / Client OU-13 PCB REMEDIA 710 N

TITLE TI INSPECTION / AFCEE

0950 FINISH UP ON EXCATUIL B N. BRIDGE CIRC. DE CARE PRIONE BXCAVATOR BUCKET BY WASHING LTOFF IN TO & ROLL -OFF BOXIES JEEE LONG STOPE 69. 0 CARE FINISHES DECONNENG EXC 1005 BUCKET. MINICRAMS READING 0.00 1030 BLAK MWH IS GETTING ROADS TO SAMPLE ADDITT' EXCAUNTION SIDEWALLS AT HILLB N. BRIDGE CIRCLE WHOLE CAFE REMOVED ADDITIONAL SOIL CAPELS BACKFILLING AT GUILA N.BRIDGE CIRC. ACOKE MUH IS COLLECTING 1110 SAMPLES ON WEST WALL, NORTHEND OF EXCAVATON AT YILL BRIDGE EIRCLE

Project/Client OW 13 PCB REMEDIATION TITLE II INSPECTION /AFCEE

PHOTO COG # DATA/TIMETIME SUBJECT N BLAKE WITH MW H 92 40 \$5-11 1125 COLLECTING SOIL SONF SAMPLES IN EXC AT 4111B N. BRIDGE CIRC.

93 4 15/11 1325 SW 157 LIFT OF FILL INSTALLED IN EXCAUPTION AT YILLA N. BRIDGE CIRCLE

94 4154 1510 S BACKFILLED EXCAUATION AT 41/1 R NORTH BRIDGE CIRCLE

Location HILL AFB Date 4:15-11 123 Project/Client OU-13 PCR REMEDIATION TITLE IT INSPECTION / AFCEE

ADDITION EXC AT YILL B NOOTH BRIDGE CLRCLE AND NEW BONF CONFIRMATION SAMPLE COCATIONS

Project/Client OQ-13 PCB REMEDIATION
TITLE II (NSPECTION JAFCEE

1140 MUNIT FINISHES COLLECTING CONFIRM ATION SOIL SAMPLES IN PODEKC, AREAS OF 4111B NORTH BRIDGE CIRCLE.

1200 BREDK FOR LUNCH

1245 CAPE CONTINUES BACKFILLING AT

1320 CARE HAS IST LIFT INSTALLED IN EXC AT 4111A N. BRIDGE CIRCLE.

1330 ANOTHER LOAD OF FILL 13 DECCHERED

CLRCLE - BACK FILL COMPLETED -STILL HAS TO BE TESTED FOR DENSITY

1500 GENEUR ROCK ARRIVES WITH ANOTHER
20AD OF FILL. THIS IS 5 WADS
SO FAR TODAY.

1400 STOP WORK FOR TODAY

Location		Date	120
Project / Client	4, 4		
	,	•	

**		

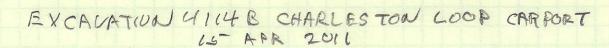




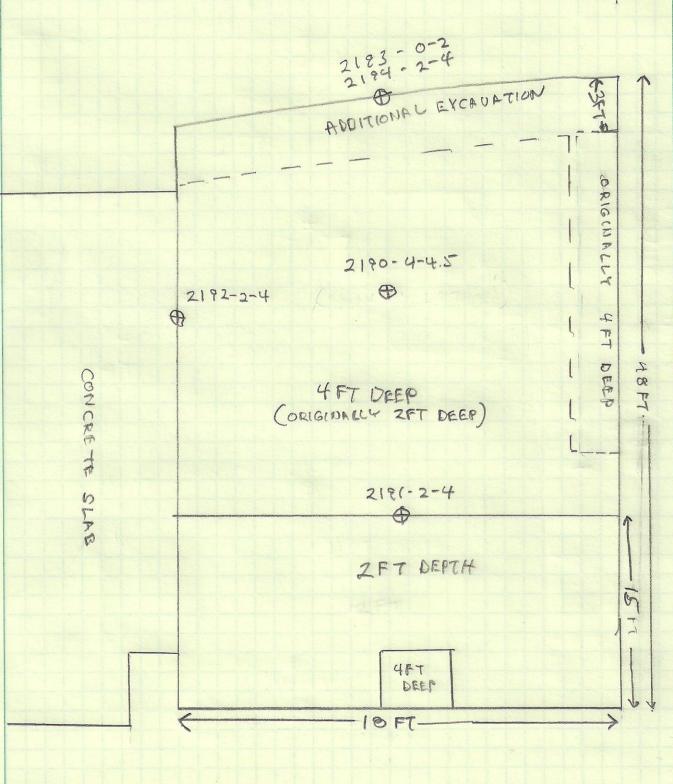


## **Excavation Drawings**

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O = CONFIRMATION SAMPLE LOCATION
NOTE: ALL SAMPLES ARE 5-POINT COMPOSITES





Sample Number Tables Showing Samples that Exceed Screening Level and Additional Samples Collected Post Additional Excavation Work at 4111 B North Bridge Circle and 4114 B Charleston Loop.







Confirmation Soil Samples Collected in Excavation at 4111 B North Bridge Circle, Hill AFB, UT

Location ID	Collection	Collection Area	Collected From	Depth (ft)	Soil Sample
	Date				Type/Analytical Result
U13-2184	12 Apr 2011	Excavation at 4111B N. Bridge Circle	South end wall	0-2	4-point composite
U13-2185	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, south half	0-2	4-point composite
U13-2186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	0-2	4-point composite
U13-2186 2-4	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	2-4	4-point composite/11.0 mg/kg
S13-92186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half (sample duplicate)	2-4	4-point composite
U13-2187	15 Apr 2011	Excavation at 4111B N. Bridge Circle	East side wall, north half where sample 2151 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2188	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2189	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	2-4	5-point composite







Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4 mg/kg
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3 mg/kg
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4 mg/kg
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7 mg/kg
U13-2167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner	4-4.5	5-point comp
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4 mg/kg







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half	0-2	4-point comp
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B Charleston Loop	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp





PN N	Am .
North	Wind

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28 mg/kg
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2 mg/kg
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, middle 1/3	0-2	4-point comp
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp





PNA	Am
North	Wind

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, south wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west end wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	0-2	5-point comp
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp

Red highlight = Confirmation soil sample that exceeds the soil screening concentration Green highlight = Quality control sample



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FA8	903-08-D-8786 TO 0011	North Wind, Inc		Title II Oversight Hill AFB Housing					
Project	t Number: KRSM20110835	(Remediation Contr is Ca	pe) A	Area PCB Remediation OU 13					
Cont	ract Number / Task Order Number	Contractor		Project <sup>-</sup>	Title / NWI Project No.				
				Hill AER	, UT Freedom Terrace				
8 04/18/11 Housing Area OU-13									
	CQC Report Number	Date or Time Period			ocation and Team				
	· · · · · · · · · · · · · · · · · · ·								
I. Temp L	Weather Conditions:	Lligh 50 E	Cloud	v ⊠ Bort	ly Cloudy  Clear				
Wind S		o High <u>50 F</u> pitation  □No  □Yes R	ained all day	у 🔼 Ран	ly Cloudy				
From	NE Preci	pitation Divo Dres K	airieu aii uay						
II.	Quality Control Inspection	ons Performed This Date (Include inspection	ns, results, deficienc	cies observed, and	corrective action)				
Prepara	atory 🗌								
Initial	$\boxtimes$								
Follow-	Up 🛚								
Was the	e construction deficiency tra	cking list updated this date?			Yes ☐ No ⊠				
III.	Was Field Sampling and	Testing Performed This Date?			Yes ☐ No ☐				
If yes, t	hen complete the following:								
	Type of test	Method/Matrix			Results				
1.	Density testing 0-1 ft	Troxler nuclear gage	95.6% and 97	7% of optimur	n (4111A N. Bridge Circle)				
2.	Density testing 1-2 ft	Troxler nuclear gage	95% of optim	um (4111A N	. Bridge Circle)				
3.									
Have D	ata Quality Objectives been	achieved?			Yes ⊠ No □				
IV.	-	lected for Laboratory Analysis?			Yes ☐ No ⊠				
If yes, t	hen complete the following:								
	Type of Test	EPA Test Method/Matrix		Quanti	ty of Samples				
1.									
2.									
3.									
	•	anks and rinseates been achieved?			Yes No				
	ppropriate QC laboratory tes ds, etc.)	sts been ordered? (matrix spikes, method	l blanks, surrog	gates, referen	ce Yes 🗌 No 🗌				
	. ,	ellected in the specified quantity?			Yes □ No □				
	amples been properly labele				Yes □ No □				
٧.	Health and Safety.								
	protection levels this date:		Level A	Level B	Level C ☐ Level D ☐				
	y work activity conducted w				Yes ☐ No ☒				
11		ithin an area determined to be immediate	elv dangerous t	o life and hea					
II		ocedures used on workers and equipme			Yes ⊠ No □				
	Job Safety Meeting held this	• •	·		Yes ⊠ No □				
		this date? (If YES, attach copy of comp	oleted acciden	t report)	Yes □ No ⊠				
	zardous waste/material rele				Yes □ No ⊠				
Safety	comments: (Include any infraction	s of approved safety plan, and include instructions from	m Government pers	onnel. Specify cor	rective action taken.)				
		nt hazards and slip, trips, falls related to							
VI.	Work Activities Perform	ed This Date.							
	Reference	Activity & Location		Quantity	Subcontractor				
	(DFW #/Tech Spec #)	·		- Caboninasia					
1.	WP	Compaction testing at 4111A North Brid	dge Circle	3	Cape				
2.	WP	Surveyed new excavation dimensions a			Cape				
		sample locations at both 4111 B North and at 4114 B Charleston Loop Carpor	mple locations at both 4111 B North Bridge Circle						

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3.	WP										
4.	WP										
5	WP										
VII.	Labor 8	Manpowe	r.								
		ification	Number		Emp	loyer				Houi	rs
1.	SS/SSF		1		Ca				4		
2.	Laborer		1		Ca				4		
3.	EO					•					
4.	Forema	n									
5.	Tech	<u> </u>			MV	VH			0		
6.	Title II I	nenector	1		N\				4		
0.	Title II II	ізрестої	ı		111		Total Hou	ırs	12		
VIII.	Equipm	ont					101411100				
VIII.	No. of Units		Plant/Equipn	nent		Date of Sa Check			ours Ised	Hours Idle	Hours Repair
1.	1	Dust Mor	nitor			Crieci		0	3 <del>c</del> u	iule	Repail
2.	1		ere 135C Excavator			04/18/11		<u>0</u> 1		7	
						04/14/11					
3. 4.	1	Bobcat T	250 evy Pickup			04/14/11		0		6	
5.	1	1	on water trailer with pu	mn/hasa/nazzla		04/08/11				8	
6.	<u>'</u>	250 gailo	in water trailer with pu	mp/nose/nozzie	;	04/06/11		<u> </u>		1	
7.											
8.											
9.											
10.											
						Total	Hours	3		30	0
IX.	Materia	I Received	to be Incorporated into	o Job.							None 🛛
			ceptability		Stored	d Where?			Re	ference Plar	
1.			, , , , , ,								<b>J</b>
2.											
3.											
Χ.	Submit	tals Review	ıed								None 🛚
Λ.					Г.	. \ \ \ / I			^	otton Talana	
4	Submitt	ai No.	Spec/Plan Refer	ence	Ву	Whom			P	ction Taken	
1.	+										
2. 3.	+										
XI.	Officito	Surveillere	o Activities (include o	ction taken)							None M
XI.	Offsite	Surveilland	ce Activities. (include a	ction taken)							None 🛚
XII.	Instruct and remar		by the Government to	the Contractor	<b>r.</b> (Include na	ames, reactions,	Verl	oal	□ v	Vritten □	None 🛚
	-										
	-										







Work	Progress.						
Are there any Contractor caused delays?  Yes □ No ☒							No ⊠
Are there any Contractor-potential findings of fact?  Yes □ No ☑							No 🖾
Are the	ere any Governmer	nt caused delays or pote	ential findi	ng of fact?		Yes □	No 🛛
Are the	ere any Governmer	nt-potential findings of fa	act?			Yes □	No 🛛
Are the	ere any unforeseea	ble or weather related of	delays?			Yes □	No ⊠
Defici	ency List.						
No.	Deficiencies I	dentified (Not corrected by	COB)	Tracking No.	Deficiencies C	orrected (From Deficience	y Tracking List)
Rema	rks. (Include any visitors	to project and miscellaneous	remarks pertir	nent to work.)			
Tested	d density at 4111A	North Bridge Circle. De	ensity from	0-1 ft was 95.6%	and 97% of Proct	or and 95% for 1-2 ft.	
							,
Site vi	sitors included: Ma	rk Roginske					
The above report is complete and correct, and all work reported is believed, to the best of my knowledge, to be in compliance with							
	,	•					
• Mana	ager	Tom Matzen, NWI (7	85.760.66	17)	Date	04/18/11	
XVI. Government Quality Assurance Comments. (if applicable)							
	•	sarance comments.	паррпсаві			Yes □	No □
	•	<u>.</u> .				100 🗀	
COIII	nents of exceptions						
nature	·			D	ate		
or's Ir	nitial	Date					
	Are the Are th	Are there any Contractor- Are there any Government Are there any Government Are there any unforeseea Deficiency List.  No. Deficiencies In Def	Are there any Contractor caused delays?  Are there any Contractor-potential findings of factor there any Government caused delays or potential findings of factor there any Government-potential findings of factor there any unforeseeable or weather related Deficiency List.  No. Deficiencies Identified (Not corrected by Deficiency List)  Remarks. (Include any visitors to project and miscellaneous Tested density at 4111A North Bridge Circle. Deficiency and Site visitors included: Mark Roginske  Be report is complete and correct, and all work replans and specifications, except as noted above.  Manager	Are there any Contractor caused delays? Are there any Government caused delays or potential findings of fact? Are there any Government-potential findings of fact? Are there any Government-potential findings of fact? Are there any unforeseeable or weather related delays?  Deficiency List.  No. Deficiencies Identified (Not corrected by COB)  Remarks. (Include any visitors to project and miscellaneous remarks pertir Tested density at 4111A North Bridge Circle. Density from Site visitors included: Mark Roginske  Be report is complete and correct, and all work reported is belans and specifications, except as noted above.  Manager	Are there any Contractor caused delays? Are there any Contractor-potential findings of fact? Are there any Government caused delays or potential finding of fact? Are there any Government-potential findings of fact? Are there any unforeseeable or weather related delays?  Deficiency List.  No. Deficiencies Identified (Not corrected by COB) Tracking No.  Remarks. (Include any visitors to project and miscellaneous remarks pertinent to work.)  Fested density at 4111A North Bridge Circle. Density from 0-1 ft was 95.6%  Site visitors included: Mark Roginske  ereport is complete and correct, and all work reported is believed, to the best plans and specifications, except as noted above.  Manager	Are there any Contractor caused delays?  Are there any Contractor-potential findings of fact?  Are there any Government caused delays or potential finding of fact?  Are there any Government-potential findings of fact?  Are there any unforeseeable or weather related delays?  Deficiency List.  No. Deficiencies Identified (Not corrected by COB) Tracking No. Deficiencies C  Remarks. (Include any visitors to project and miscellaneous remarks pertinent to work.)  Tested density at 4111A North Bridge Circle. Density from 0-1 ft was 95.6% and 97% of Procte  Bite visitors included: Mark Roginske  er ereport is complete and correct, and all work reported is believed, to the best of my knowledge lans and specifications, except as noted above.  Manager Tom Matzen, NWI (785.760.6617) Date  Government Quality Assurance Comments. (if applicable)  with the QC report?  I comments or exceptions:  Date	Are there any Contractor caused delays?  Are there any Contractor-potential findings of fact?  Are there any Government caused delays or potential finding of fact?  Are there any Government-potential findings of fact?  Are there any unforeseeable or weather related delays?  Are there any unforeseeable or weather related delays?  Deficiency List.  No. Deficiencies Identified (Not corrected by COB)  Tracking No. Deficiencies Corrected (From Deficiency List)  Remarks. (Include any visitors to project and miscellaneous remarks perlinent to work.)  Fested density at 4111A North Bridge Circle. Density from 0-1 ft was 95.6% and 97% of Proctor and 95% for 1-2 ft.  Site visitors included: Mark Roginske  Be report is complete and correct, and all work reported is believed, to the best of my knowledge, to be in compliance clans and specifications, except as noted above.  Manager Tom Matzen, NWI (785.760.6617)  Date 04/18/11  Sovernment Quality Assurance Comments. (if applicable)  with the QC report?  Yes Comments or exceptions:  Date Date





**Date** Time O4-18-11 O918 Direction of View

**Subject** 

Hill AFB Housing area OU-13. Density gage for testing backfill compaction.





**Date** Time O4-18-11 O919 **Direction of View** 

**Subject** 

Hill AFB Housing area OU-13. Troxler gage calibration sticker.



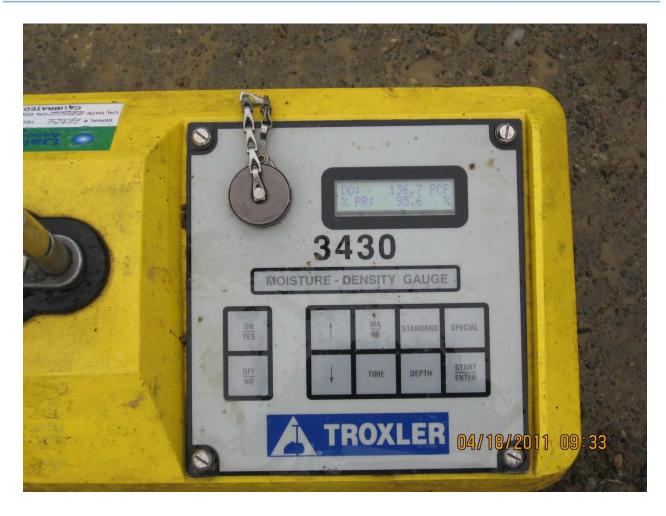


**Date** Time Direction of View 04-18-11 0933 S

**Subject** 

Hill AFB Housing area OU-13. Technician with Applied Geotechnical Engineering Consultants testing compaction 0-1 ft at 4111A North Bridge Circle.





**Date** Time **Direction of View** S

0933 04-18-11

## **Subject**

Hill AFB Housing area OU-13. Technician with Applied Geotechnical Engineering Consultants testing compaction 0-1 ft at 4111A North Bridge Circle.



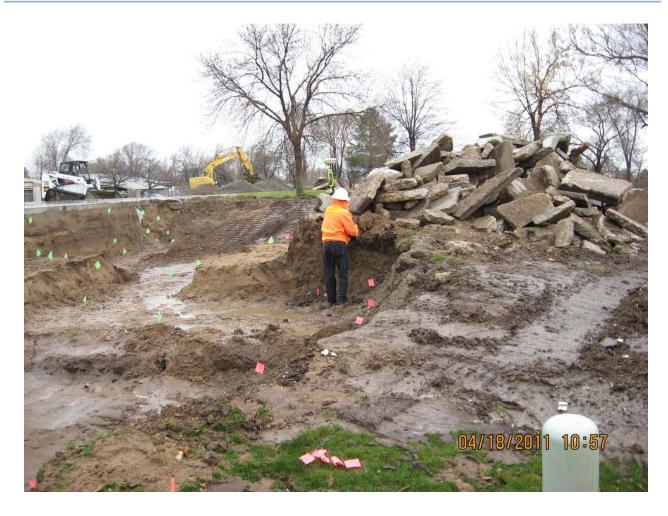


**Date** Time Direction of View 04-18-11 0951 SW

**Subject** 

Hill AFB Housing area OU-13. Technician with Applied Geotechnical Engineering Consultants testing compaction 1-2 ft at 4111A North Bridge Circle.





Date Time Direction of View

04-18-11 1057 S

**Subject** 

Hill AFB Housing area OU-13. Surveying additional excavation area at 4111B North Bridge Circle.





Date Time Direction of View

04-18-11 1104 E

**Subject** 

Hill AFB Housing area OU-13. Surveying the additional excavation at 4114B Charleston Loop.





## **Logbook Notes**

NWI-CQCF-001.1\_Rev 0 Effective: 01/27/06 Project/Client OQ -13 PCB REMEDIATION

TITLE II (NSPECTION JAFCEE)

MUNIT FINISHES COLLECTING CONFIRM 1140 ATION SOCE SAMPLES IN PODEKC. AREAS OF YILL NORTH BRIDGE CIRCLE. 1200 REFER FOR LUNCH (245 CAPE CONTINUES BACKFILLING AT HUIA 1320 CAPE HAS IST LIFT INSTALLED IN EXC AT 4111A N. BRIDGE CIRCLE. 1330 ANOTHER LOAD OF FILL IS DECUERED 1440 EXCADATION AT 41/1A NORTH BRIDGE CIRCLE - BACK FILL COMPLETED -STILL HAS TO BE TESTED FOR DENSITY 1500 BENEUR ROCK ARRIVES WITH ANOTHER LOAD OF FULL. THIS IS 5 NOTOS SO FAR TODAY. 1400 STOP WORK FOR TODAY

Project/Client OU-13 PCB REMEDIATION

TITLE IT INSPECTION/AFCEE

0700 - TAILCATE SAFETY BRIEFING

RAINING TODAY (THIS AM) 440F WIND 0-5 FROM N CAPE IS EXPECTIONS THE RESCUTS FOR THE ADDITIONAL CONFIRMATION SAMPLES THAT WERE COLLECTIVE ED ON FRIDAY IS AFRIL 2011. 08:20 APPCIED GEOTECHNICAL ENGINEER INC CONSULTANT INC SHOWS CEP THE WILL TEST COMPACTION AT GILLA N. BRIDGE CACLE KYLE IS TECHNOCIAN KYLOF CALBRATES TROXLER 107 Eur 136. 7 PCS (0-1pt) 138.8 147.2 0-1FT 200

95% 5.46

TAPRO

1025 MARK STORSBY DURURTOR ON-SITE

1030 MARK COFF- SOTE

60 to SURVETORS START SURVETING AT CITIEN. BRIDGE CIR AND 4114B CHARLESTON COOP SURVEYOR FINISHUP. 1115 CAPE CEAUES SITE. WILL ACLO

OFF ON BACKFILL WITH TOMORROW ITIS RAINING AND THERE IS WATER

IN EXCAUATIONS

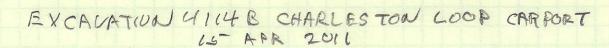
Project/Client OU-13 PCB REMEDIATION TITLE IT INSPECTION (APCEE

100 4-18-11 1050 SURVEYINGAT 101 11 HITIBN BROOF CIR. 603 11 11 104 4-18-11 1105 SURVETING AT HILLE CHARLESTON COR

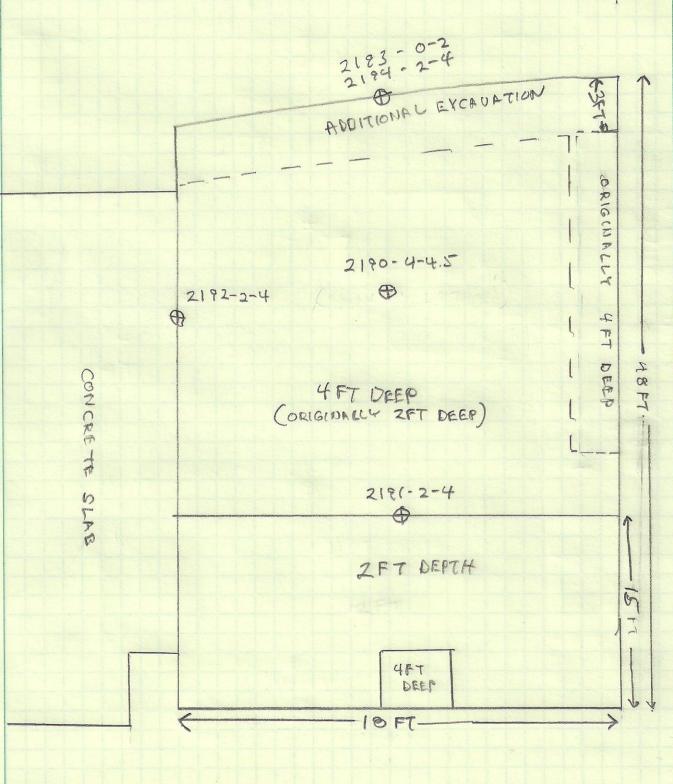


## **Excavation Drawings**

NWI-CQCF-001.1\_Rev 0 Effective: 01/27/06



O = CONFIRMATION SAMPLE LOCATION
NOTE: ALL SAMPLES ARE 5-POINT COMPOSITES





Sample Number Tables Showing Samples that Exceed Screening Level and Additional Samples Collected Post Additional Excavation Work at 4111 B North Bridge Circle and 4114 B Charleston Loop.







Confirmation Soil Samples Collected in Excavation at 4111 B North Bridge Circle, Hill AFB, UT

Location ID	Collection	Collection Area	Collected From	Depth (ft)	Soil Sample
	Date				Type/Analytical Result
U13-2184	12 Apr 2011	Excavation at 4111B  N. Bridge Circle	South end wall	0-2	4-point composite
U13-2185	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, south half	0-2	4-point composite
U13-2186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	0-2	4-point composite
U13-2186 2-4	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	2-4	4-point composite/11.0 mg/kg
S13-92186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half (sample duplicate)	2-4	4-point composite
U13-2187	15 Apr 2011	Excavation at 4111B  N. Bridge Circle	East side wall, north half where sample 2151 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2188	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2189	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	2-4	5-point composite
			1		1







Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4 mg/kg
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3 mg/kg
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4 mg/kg
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7 mg/kg
U13-2167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner	4-4.5	5-point comp
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4 mg/kg







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half	0-2	4-point comp
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B Charleston Loop	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28 mg/kg
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2 mg/kg
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, middle 1/3	0-2	4-point comp
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, south wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west end wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	0-2	5-point comp
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp

Red highlight = Confirmation soil sample that exceeds the soil screening concentration Green highlight = Quality control sample



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FA8903-08-D-8786 TO 0011	North Wind, Inc	Tit	tle II Overs	sight Hill AFB Housing
Project Number: KRSM20110835	(Remediation Contr is Ca	ne) Ar	ea PCB R	emediation OU 13
Contract Number / Task Order Number	Contractor		Project <sup>1</sup>	Title / NWI Project No.
			Hill AFR	, UT Freedom Terrace
9	04/19/11			using Area OU-13
CQC Report Number	Date or Time Period			ocation and Team
I. Weather Conditions:				
	o High 45 F	Cloudy	/ □ Part	ly Cloudy ⊠ Clear ⊠
	ipitation ⊠No □Yes	Oloudy	, 🗀 тап	ly Gloddy 🖾 Glodi 💆
From NW				
II. Quality Control Inspecti	ons Performed This Date (Include inspectio	ns, results, deficienci	es observed, and	I corrective action)
Preparatory				
Initial 🖂				
Follow-Up 🛛 Compaction t	esting			
Was the construction deficiency tra	· .			Yes ☐ No ⊠
III. Was Field Sampling and	Testing Performed This Date?			Yes ⊠ No □
If yes, then complete the following:		ı		
Type of test	Method/Matrix			Results
Density testing 3-4 ft	Troxler nuclear gage	95.7% of opting	mum (4114B	Charleston Loop carport)
Density testing 2-3 ft	Troxler nuclear gage	97.5% of opting	mum (4114B	Charleston Loop carport)
Density testing 1-2 ft	Troxler nuclear gage	95.3% of opti	imum (4114E	Charleston Loop carport)
4 Density testing 0-1 ft	Troxler nuclear gage	97.5% of optin	mum (4114B	Charleston Loop carport)
5. Density testing 3-4 ft	Troxler nuclear gage	96.8% of opting	mum (4111B	North Bridge Circle)
6 Density testing 2-3 ft	Troxler nuclear gage	96.8% of optin	mum (4111B	North Bridge Circle)
Have Data Quality Objectives beer	achieved?			Yes ⊠ No □
II	lected for Laboratory Analysis?			Yes ☐ No ⊠
If yes, then complete the following:			0 1	
Type of Test	EPA Test Method/Matrix		Quanti	ty of Samples
1.				
2.				
3.				Yaa 🖂 Na 🖂
	lanks and rinseates been achieved?	l blanka a		Yes No No
standards, etc.)	sts been ordered? (matrix spikes, method	i bianks, surrog	ates, referen	
Have QA and QC samples been co				Yes No
Have samples been properly labele	eu anu packageu:			Yes No No
V. Health and Safety.			Laval D 🗆	Loyal C D Loyal D M
Worker protection levels this date:		Level A	Level B	Level C ☐ Level D ☒ Yes ☐ No ☒
Was any work activity conducted w	· ·	oly donasrous to	life and had	
	rithin an area determined to be immediate rocedures used on workers and equipme	-		Yes No No
Was a Job Safety Meeting held this		rits as required	•	Yes ⊠ No □
, ,	this date? (If YES, attach copy of com	oleted accident	report)	Yes No No
Was hazardous waste/material rele	, , , , , , , , , , , , , , , , , , , ,	acciaciii		Yes □ No ☒
	ns of approved safety plan, and include instructions fro	m Government nerso	onnel. Specify cor	
	ent hazards and slip, trips, falls related to			
VI. Work Activities Perform		r - 0 0 0 till g /// 1		
Reference	Activity & Location		Quantity	Subcontractor
(DFW #/Tech Spec #)	, tolivity & Location		Quartity	Cabonitation



### **Daily Quality Control Report**

Page 2 of 18

1.	WP	Compaction testing at 4114B Charleston Loop	4	Cape
2.	WP	Compaction testing at 4111B North Bridge Circle	2	Cape
3.	WP	Hauled in pit-run clean fill	100 cy	Cape
4.	WP			
5	WP			

VII.	Labor &	Manpowe	r.								
	Classi	fication	Number		Em	npl	oyer			Hours	3
1.	SS/SSH	O/QC	1	<u> </u>	C	Са	ре				
2.	Laborer		1	1 Cape			ре		8		
3.	EO			<u> </u>							
4.	Foreman	1									
5.	Tech						hnical Engineering Iltants	I	6		
6.	Title II In	spector	1		1	N۷	VI		8		
							Total	Hours	30		
VIII.	Equipme	ent.									
	No. of Units		Plant/Equipm	nent			Date of Safety Check		ours sed	Hours Idle	Hours Repair
1.	1	Dust Mor	nitor					0			
2.	1	John Dec	ere 135C Excavator				04/19/11	6		2	
3.	1	Bobcat T	250				04/19/11	6		2	
4.	1	2500 Che	evy Pickup				04/14/11	2		6	
5.	1	250 gallo	n water trailer with pur	mp/ł	nose/nozzle		04/08/11	0		8	
6.			-							1	
7.											
8.											
9.											
10.											
							Total Hours	14		18	0
IX.	Material	Received	to be Incorporated into	o Jo	b.						None 🛚
		Acc	ceptability		Store	ed	Where?		Ref	erence Plans	s/Drawings
1.		Acceptable	e pit-run clean fill		Placed i	in	excavations			WP	
2.											
3.											
X.	Submitt	als Review	red.								None 🛚
	Submitta	al No.	Spec/Plan Refere	ence	E	Зу	Whom		Α	ction Taken	
1.											
2.											
3.											
XI.	Offsite S	Surveilland	e Activities. (include ac	ction	taken)						None 🗵
XII.	Instructi		by the Government to	o the	Contractor. (Include	na	mes, reactions,	Verbal	□ W	ritten 🗌	None 🗵

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XIII.	Work	Progress.						
1.	Are th	ere any Cont	ractor caused delays?				Yes □	No 🛛
2.	Are th	ere any Cont	ractor-potential findings of fact?				Yes □	No 🛚
3.		•	ernment caused delays or potential f	inding of fact?			Yes □	No 🛛
4.	Are th	ere any Gove	ernment-potential findings of fact?				Yes □	No 🛛
5.	Are th	ere any unfor	eseeable or weather related delays	?			Yes 🗌	No 🛛
XIV.	Defic	iency List.						
Trackir	ng No.	Deficie	ncies Identified (Not corrected by COB)	Tracking	No. [	Deficiencies Co	orrected (From Deficien	cy Tracking List)
XV.	Rema	ırks. (Include an	y visitors to project and miscellaneous remarks	pertinent to work.)				
	Comp	action testing	conducted on 4 lifts at 4114 Charle	ston Loop in the	carport a	rea. All results	s >90% of Proctor	
	Comp	action testing	conducted on 1 lift at 4111B North	Bridge Circle. A	.ll results >	> 90% of Proct	or.	
	Boyer	Hill personne	el capped water line in the sub-sidew	alk excavation	at 4114B (	Charleston Loc	ор	
	Site v	isitors include	d: Mark Roginske; Jeff Long					
			e and correct, and all work reported	is believed, to th	ne best of	my knowledge	e, to be in compliance	e with
contrac	t plans	and specificat	tions, except as noted above.					
coc s	ite Man	ager	Tom Matzen, NWI (785.760	6617)		Date	04/19/11	
		ugo.					0 17 107 11	
XVI.	Gove	rnment Qual	ity Assurance Comments. (if applie	cable)				
Concur	s with th	ne QC report?					Yes □	No 🗌
Additio	nal com	ments or exce	eptions:					
QAR S	ignatur	e			Date			
				_				
Superv	/isor's l	nitial	Date					





04-19-11 0827 W

**Subject** 

Hill AFB Housing area OU-13. First lift of clean fill placed in excavation at 4114B Charleston Loop.





**Date** Time Direction of View 04-19-11 0827 W

**Subject** 

Hill AFB Housing area OU-13. Compaction testing first lift of clean fill placed in excavation at 4114B Charleston Loop.





**Date** Time Direction of View 04-19-11 1047 W

0.15.11

**Subject** 

Hill AFB Housing area OU-13. Compaction testing third lift (1-2 ft) of clean fill placed in excavation at 4114B Charleston Loop.



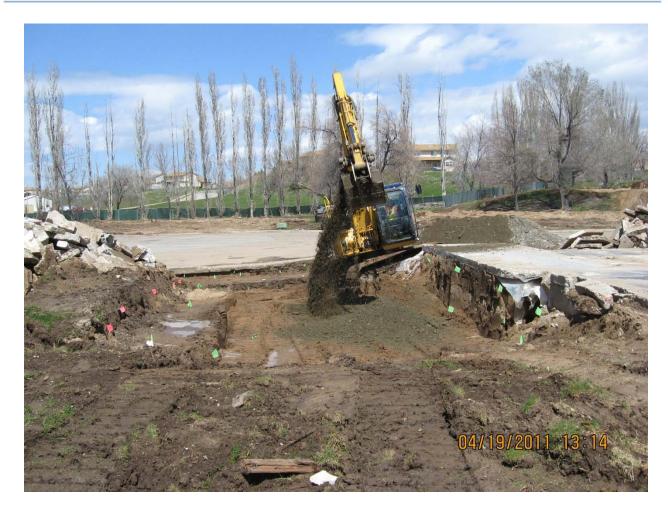


**Date** Time Direction of View 04-19-11 1235 W

**Subject** 

Hill AFB Housing area OU-13. Compaction testing fourth and final lift (0-1 ft) of clean fill placed in excavation at 4114B Charleston Loop.





04-19-11 1314 N

**Subject** 

Hill AFB Housing area OU-13. Starting to place clean fill in excavation at 4111B North Bridge Circle.





04-19-11 1338 NW

### **Subject**

Hill AFB Housing area OU-13. Compaction test on first lift (3-4 ft depth) clean fill in excavation at 4111B North Bridge Circle.





**Date** Time Direction of View 04-19-11 1338 NW

Subject

Hill AFB Housing area OU-13. Placing second lift of clean fill in excavation at 4111B North Bridge Circle.





# **Logbook Notes**

NWI-CQCF-001.1\_Rev 0 Effective: 01/27/06 Location HILL AFB, UT Date 17APR 2011 Project/Client OU-13 PCB REMEDIATION TITLE II INSPECTION / AFCER

0700 TAILGATE SAFATY BRIEFING PARTLY CLOUDY, CAIM, 38°F 3715 CARE STARTS INSTALLING FIRST LIFT OF FILL AT YITB CHARGE-STON COOP (CARPORT EXCOUPTION)

6830 ACCC 15 74 DENSOTY TESTING 157 CIFT (3-4 FT BGS) IN EXCAURTA AT 41148 CHARLESTON LOUD CARPORT AREA TESTED AT 95,7 % OF PROCTOR,

6940 MARK ROGINSKE ON-SOTE 0950 MARK OFF-SIZE 0955 TESTING SECOND LIFT AT 97.5 AT 4114B CHBRUSTON LOOP

TES TING COMPACTON ON ZED 1050 CIFT AT 4114B CHARLESTON LOOP (95.3 % OF PROCTOR)

1235 4 TH AND FONAL LIFT INSTACE ED AND TESTED AT 97.5% OF PROCTOR

Project / Client OU (3 PCB REMED (A TION TITLE IT INSPECTION PARCEE

# DATE COME SUBJECT 110 4-18-11 10 YE W BRD LIFT INSTALLED AT 4114B CHARLESTON LOOP (11 " 1234 W 4 TH AND FINAL LIFT MOTALLED AT 4113B CHARLESTON COOP CAR-PORTAREA TESTING COMPACTION 112 419.11 1315 N BOCK FILLING AT 41118 N. BRIDGE CIRCLE 1ST LIFT NW TESTING IST CIFT 113 1 1340 AT LIUB NOWTH BRIDER CIRCLE SOUTH HALF NW TESTING IST CIET 114 - 1225 ON NORTH WHALE OF HILLB N. BRIDGE COR. 115 1 1604 S PLACING A 2000 LIFT OF FILL INTO EXCAT 4111 BN. BRIDGE CTRC

Project/Client\_OU-13 ACB REMEDIATION

TITLE IT INSPECTION | AFCEE
CONT PRO N P. 128

1240 CARE PREPARES TO START BACKFUL AT 41118 N. BRIDGE CIRCLE.

1345 BACK FILLING 157 COPT AT 4111 B N. BRIDGE CCRE

JEFF CONE ON SCIE 1330 157 CIET INSTACLED AT 4111B 1340 N. BRIDGE CIRC, (96.8%) IN SQUETHHALF

958 950 % OF PROCER 1429 ON 157 LIXT NONTA

SUNT SOF, WIND PROX NW 5-10

CAPE CONTINUES APCKFICE AT 1430 4111B NORTH BRIDGE CIRCLE

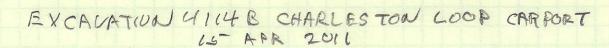
1600 GENEUR ROCK DELLUERS 5TH LOAD OF FILL. BROUGHT IN ABOUT 100 CY TODAY COPE PLACES FILE -LEIS STOP WORK FOR TODAY

Date Project / Client

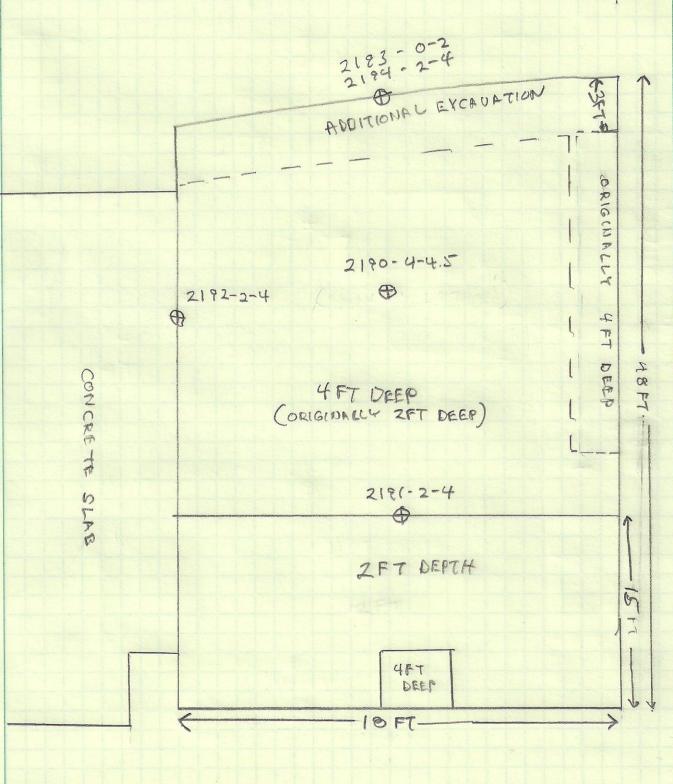


# **Excavation Drawings**

NWI-CQCF-001.1\_Rev 0 Effective: 01/27/06



O = CONFIRMATION SAMPLE LOCATION
NOTE: ALL SAMPLES ARE 5-POINT COMPOSITES





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	Date				Type/Analytical Result
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U13-2185	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, south half	0-2	4-point composite
U13-2186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	0-2	4-point composite
U13-2186 2-4	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	2-4	4-point composite/11.0 mg/kg
S13-92186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half (sample duplicate)	2-4	4-point composite
U13-2187	15 Apr 2011	Excavation at 4111B N. Bridge Circle	East side wall, north half where sample 2151 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2188	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2189	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	2-4	5-point composite







Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4 mg/kg
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3 mg/kg
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4 mg/kg
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7 mg/kg
U13-2167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner	4-4.5	5-point comp
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4 mg/kg







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half	0-2	4-point comp
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B Charleston Loop	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28 mg/kg
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2 mg/kg
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, middle 1/3	0-2	4-point comp
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, south wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west end wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	0-2	5-point comp
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp

Red highlight = Confirmation soil sample that exceeds the soil screening concentration Green highlight = Quality control sample







n			
FA8903-08-D-8786 TO 0011	North Wind, Inc	Title II Oversight F	Hill AFB Housing
Project Number: KRSM20110835	•	Area PCR Remed	
Contract Number / Task Order	Contractor	Project Title / N	IMI Project No
Number	Contractor	Froject fille / N	WI FIOJECT NO.
		HIII AED LIT E	reedom Terrace
10	04/20/11	•	Area OU-13
CQC Report Number	Date or Time Period		and Team
OQO Noport Number	Bate of Time Ferrou	Location	Tana Toam
I. Weather Conditions:			
Temp Low 38 Temp	p High <u>53 F</u>	Cloudy 🛛 Partly Clou	dy 🗌 Clear 🗌
· —	ipitation ⊠No □Yes		
From S			
<u> </u>	ons Performed This Date (Include inspection	ns, results, deficiencies observed, and correctiv	e action)
Preparatory U			
Initial 🔲 Inspect impor			
Follow-Up   Compaction t	_		
Was the construction deficiency tra	•		Yes ☐ No ☒
III. Was Field Sampling and	Testing Performed This Date?		Yes ⊠ No □
If yes, then complete the following:			
Type of test	Method/Matrix	Results	
1. Density testing 1-2 ft	Troxler nuclear gage	96% and 95% of optimum (4114B sidewalk)	Charleston Loop
2. Density testing 0.5-1 ft	Troxler nuclear gage	98.8% and 95.9% of optimum (41 sidewalk)	14B Charleston Loop
3. Density testing 05	Troxler nuclear gage	99% and 98% of optimum (4114B sidewalk)	Charleston Loop
4 Density testing 2-3 ft	Troxler nuclear gage	99% and 97% of optimum (4111B	North Bridge Circle)
5. Density testing 1-2 ft	Troxler nuclear gage	97%,94%, and 99% of optimum (4 Circle)	
6 Density testing 0-1 ft	Troxler nuclear gage	96% and 97% of optimum (4111B	North Bridge Circle)
Have Data Quality Objectives been		,	Yes ⊠ No □
	lected for Laboratory Analysis?		Yes ☐ No ☒
If yes, then complete the following:	, ,		
Type of Test	EPA Test Method/Matrix	Quantity of Sa	amples
1.			
2.			
3.			
Have required amount of QC trip b	lanks and rinseates been achieved?		Yes ☐ No ☐
	sts been ordered? (matrix spikes, method	d blanks, surrogates, reference	Yes No No
Have QA and QC samples been co	ollected in the specified quantity?		Yes □ No □
Have samples been properly labele	ed and packaged?		Yes No No
V. Health and Safety.			
Worker protection levels this date:		Level A Level B Leve	el C 🔲 🛮 Level D 🖾
Was any work activity conducted w			Yes □ No ⊠
	rithin an area determined to be immediate	ely dangerous to life and health?	Yes □ No ☒
	rocedures used on workers and equipme	, ,	Yes ⊠ No □
Was a Job Safety Meeting held this		<del></del>	Yes ⊠ No □
• •	this date? (If YES, attach copy of comp	pleted accident report)	Yes ☐ No ☒
Was hazardous waste/material rele			Yes □ No ⊠
	ns of approved safety plan, and include instructions fro	m Government personnel. Specify corrective ac	
	ent hazards and slip, trips, falls related to		





VI.	Work Activities Performed This Date.							
	Reference	Activity & Location	Quantity	Subcontractor				
	(DFW #/Tech Spec #)							
1.	WP	Compaction testing at 4114B Charleston Loop	7	Cape				
2.	WP	Compaction testing at 4111B North Bridge Circle	6	Cape				
3.	WP	Hauled in pit-run clean fill	120 cy	Cape				
4.	WP	Backfilled excavations at 4111B North Bridge Circle and at 4114B Charleston Loop sidewalk area		Cape				
5	WP							

VII.	Labor &	Manpow	er.								
		ification	Number	Employer				Hours			
1.	SS/SSH	SHO/QC 1			Cape			8			
2.	Laborer 1				Cape			8			
3.	EO										
١.	Foremar	n									
5.	Tech			Associat	Associated Geotechnical Engineering Consultants				6		
ò.	Title II Ir	spector	1		NWI			8			
					Total Hours				30		
/III.	Equipment.										
	No. of Plant/Equipment Units		nent				ours sed	Hours Idle	Hours Repair		
	1	Dust Mo	onitor				0				
2.	1	John De	ere 135C Excavator			04/20/11	6		2		
3.	1	Bobcat	T250			04/20/11 6			2		
	1	2500 Chevy Pickup				04/20/11	2		6		
	1	250 galle	on water trailer with pu	е	04/08/11	0		8			
<b>S</b> .	1	Wacker	vibrating roller trench	compacter		04/20/11 4			4		
<u>.                                    </u>											
3.											
).											
0.						Total Hoυ	ırs 16				
.,		Material Received to be Incorporated into Job.							22	0	
<b>K.</b>	Materia		Where?		None ⊠ Reference Plans/Drawings						
			ceptability le pit-run clean fill		Stored Where? Placed in excavations			WP			
<u>.                                    </u>		Acceptab	ic pit full cican illi		r laced in excavations			***			
 3.											
<b>(</b> .	Submitt	als Revie	wed.	'						None 🛚	
	Submitt	al No.	Spec/Plan Refer	ence	By Whom			Action Taken			
	2,										
(I.	Offsite \$	Surveillan	ce Activities. (include a	ction taken)						None 🛚	





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XII.	Instructions Given by the Government to the Contractor. (Include names, reactions, and remarks) Verbal ☐ Written ☐ No											
,												
•												
XIII.	Work Progress.											
1.	Are there any Contractor caused delays?  Yes □											
2.	Are there any Contractor-potential findings of fact?  Yes □ No.											
3.	Are there any Government caused delays or potential finding of fact?  Yes □ No ☒											
4.	Are there any Government-potential findings of fact?  Yes □ No ▷											
5.	Are there any unforeseeable or weather related delays?  Yes □ No ☒											
XIV.	/. Deficiency List.											
Trackin	g No.	Deficiencies Identified (Not corrected by COB)	Tracking No.	Deficiencies Co	orrected (From Deficience	y Tracking List)						
XV.	VV Pemerko (tabula ancistra da sisala ancistra da s											
Α	Remarks. (Include any visitors to project and miscellaneous remarks pertinent to work.)  Compaction testing conducted on 3 lifts at 4114 Charleston Loop in the sidewalk area. All results =>95% of Proctor											
•		action testing conducted on 3 lifts at 4111B North Br										
	Backfill and compaction completed at 4111B North Bridge Circle and at 4114B Charleston Loop sidewalk area.											
		Hill's sub-contractor began removing the concrete s				Cape had						
		ed with backfilling and testing the excavation at 4111		cle. It had been u	nderstood that they	were						
:	supposed to wait until Thursday morning after the final inspection.											
•	Site visitors included: Mark Roginske; Jeff Long											
•	0.10	one on the contract of the con										
The abo	ove rep	ort is complete and correct, and all work reported is t	pelieved, to the bes	t of my knowledge	e, to be in complianc	e with						
contract	t plans	and specifications, except as noted above.		, -								
COC S	to Man	Tom Motron NWI (705 700 66	·47\	Data	04/20/44							
CQC Site Manager         Tom Matzen, NWI (785.760.6617)         Date         04/20/11												
XVI. Government Quality Assurance Comments. (if applicable)												
Concurs with the QC report?												
Addition	nal com	ments or exceptions:										
QAR Si	gnatur	e	Da	ate								
Supervisor's Initial Date												
•												





DateTimeDirection of View04-20-110848W

**Subject** 

Hill AFB Housing area OU-13. Testing compaction of second lift of clean fill placed in excavation at 4111B North Bridge Circle.



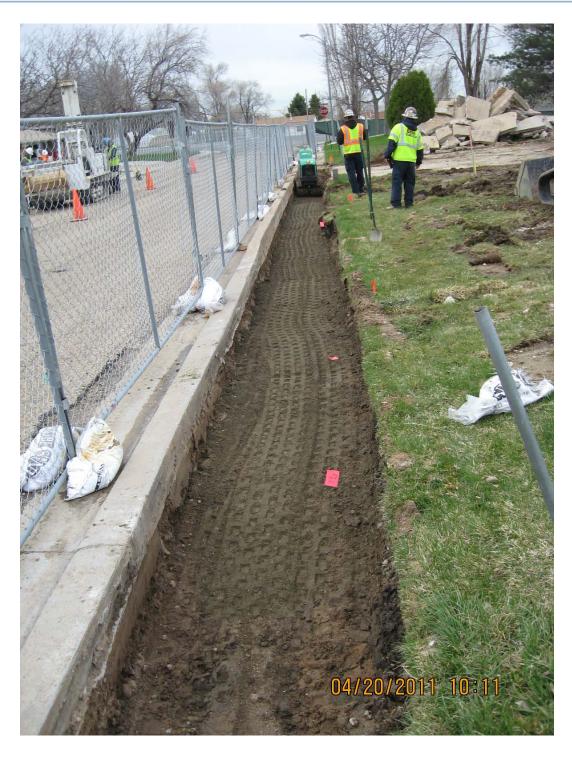


DateTimeDirection of View04-20-110911NW

Subject

Hill AFB Housing area OU-13. Testing compaction of third lift of clean fill placed in excavation at 4111B North Bridge Circle.





04-20-11 1011

Subject

Hill AFB Housing area OU-13. Compacting first lift (1-2 ft) of clean fill placed in excavation at 4114B Charleston Loop sidewalk area.





**Date** Time Direction of View 04-20-11 1017 S

**Subject** 

Hill AFB Housing area OU-13. Compaction testing first lift (1-2 ft) of clean fill placed in excavation at 4114B Charleston Loop sidewalk area.





04-20-11 1342 S

### **Subject**

Hill AFB Housing area OU-13. Compaction testing final lift of clean fill placed in excavation at 4111B North Bridge Circle.





04-20-11 1344 S

**Subject** 

Hill AFB Housing area OU-13. Final lift of clean fill placed in excavation at 4111B North Bridge Circle.





**Date** Time Direction of View 04-20-11 1538 N

**Subject** 

Hill AFB Housing area OU-13. View of completed clean fill placed in excavation at 4114B Charleston Loop sidewalk area.





# **Logbook Notes**

NWI-CQCF-001.1\_Rev 0 Effective: 01/27/06

Location HILL ATB. UT Date 4,20.11 131

Project/Client OU-13 PCB REMEDIATION

TITUE IT INSPECTION /AFCER 0700 TAIL GATE SAFETT BRIEFING CLOUDY THIS A.M 42°F WIND FROM N.E 0800 CAPR COMPACTIVE FILL ON EX CAUATION BT 4116 BN. BRINGE CIRCLE 0830 GENEUA ARRIVES WITH ANOTHER 20 CY OF FILL 0850 ACCC TESTING 2 NOCIFT IN EXC. AZYUB N. BRIDGE CIRC. 500 NEND 970 SENO 0910 TESTING THI 3RD COPT NEND 97,3 AT 411B NORTH BRIDGE CIRCLE 0950 GENEUA BRINGS IN ACCOUNTER 20 405 1000 CAPE 15 PLACIOC ST LIFT OF FILL INTO THE SUB-SHOEWALK EXC AT 4114B NORTH BRIDGE CIRCL

Location Him AFB a7 Date 4.20-11 Project/Client Oa 13 PCB REMEDIATION TITLET INSPECTION / AFCEF. # DATE/TIME & SUBJECT W TESTING COMPACTION 116 4.20.11 0850 ON 2 ND CIFT AT 401B N.BRIDGE CIRC 117 11 0910 NW TESTING COMPACTION 3RD LIFT NENDOR EXC 4111B N. BRIDGE CIRC 118 4.2011 1010 S COMPACTING IST LIFT IN SQB-SIDE WALK EXCAUATION AT 4119 B CARRIBORN LOOP. 119 " (020) S TESTING COMPACTION ON IST LOFT OF FLCL AT 41140 CHARLES N COMPACTINO A CIFT 120 " 1106 NAT YHUB CHARLES TON Lout 120 11 1315 S COMPACTION TESTING 3RD CLET - SOUTH HALF OF SIDE WALL DREADING 41141111

Location HILL AFB, UT Date 420.54 133

Project/Client OU-13 PCB REMEDIATION 4:20.11

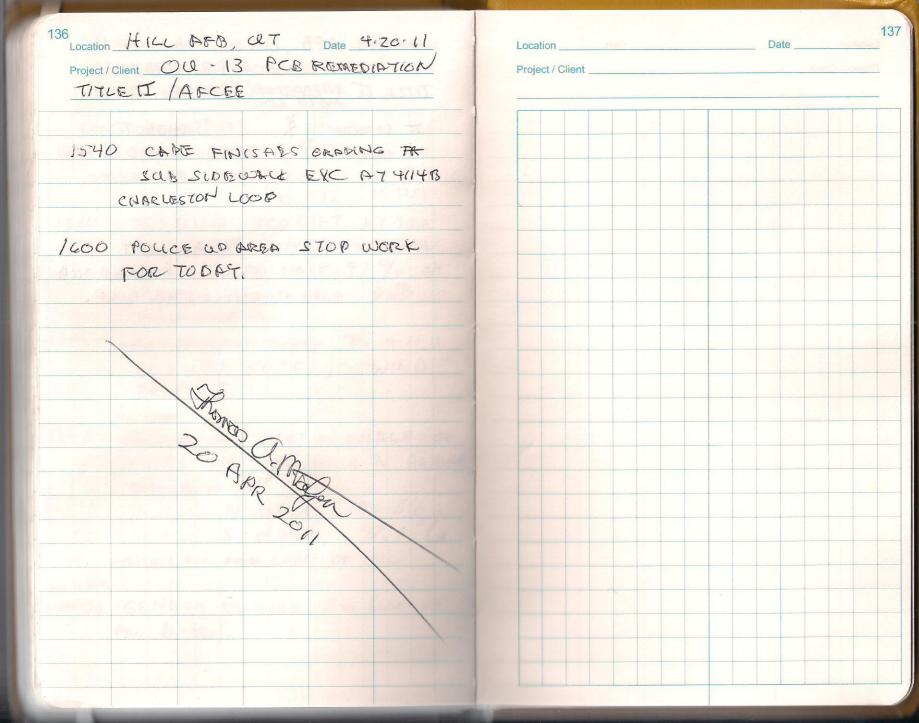
TITCE II INSPECTION (AFCEE

1015 & TESTING 1ST CIFT OF FICE IN SUBSIDEWACK EXC AT 4114R CHARLEGOON LOOP SUB STOE WACK (95.890 or optimum) NORTH HACE Mizon (ATT) ON SOUTH END THE VIBRATING ROLLE COMPACTER IS A "WACKER" MODEL # 4.20.11 TRENCH COMPACTER 1110 TESTING 200 LIFT 4114B CHARLESTON COUP SIDE WALK HARRA 98,8 % CATING NENDOF TRENCH 95. 80/0 SOUTH END OF TRENCH 1130 GENEUA RECH DELIVERS ANOTHER 20 CY OF FILL. 114545 99% ON NORTH FALF TH 94 % ON SOUTH HALF TEST RESULTS ON 3RD LIFT INSTACLED AT 41/18 N. BRIDGE CIRCLE. 1205 GENEUR BELLUERS & TH 20 CED LOOP OF FILE

Project/Client OU13 PCB REMEDIATION

TITLE IT WSPECTION (AFCEE

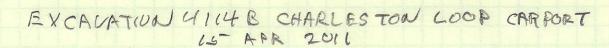
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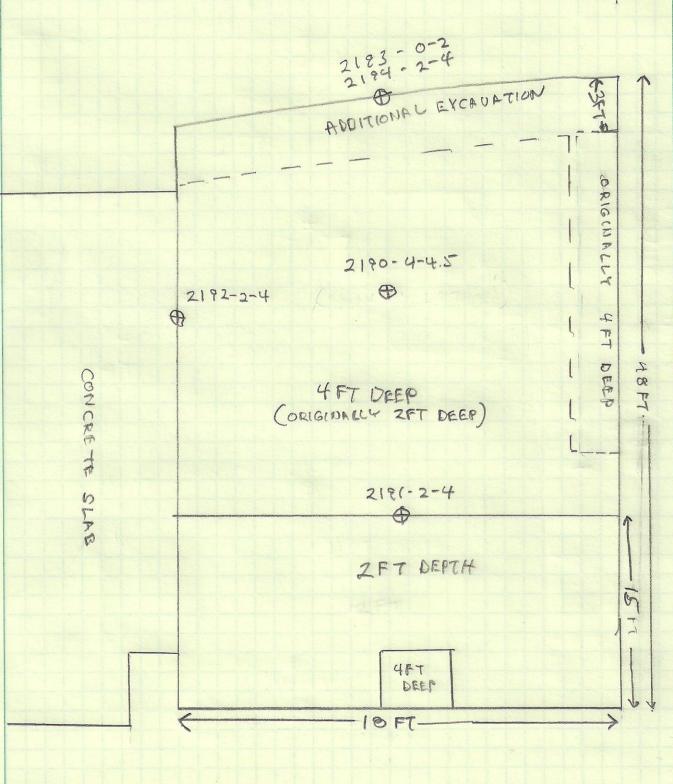


# **Excavation Drawings**

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O = CONFIRMATION SAMPLE LOCATION
NOTE: ALL SAMPLES ARE 5-POINT COMPOSITES





Sample Number Tables Showing Samples that Exceed Screening Level and Additional Samples Collected Post Additional Excavation Work at 4111 B North Bridge Circle and 4114 B Charleston Loop.







Confirmation Soil Samples Collected in Excavation at 4111 B North Bridge Circle, Hill AFB, UT

Location ID	Collection	Collection Area	Collected From	Depth (ft)	Soil Sample
	Date				Type/Analytical Result
U13-2184	12 Apr 2011	Excavation at 4111B N. Bridge Circle	South end wall	0-2	4-point composite
U13-2185	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, south half	0-2	4-point composite
U13-2186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	0-2	4-point composite
U13-2186 2-4	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	2-4	4-point composite/11.0 mg/kg
S13-92186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half (sample duplicate)	2-4	4-point composite
U13-2187	15 Apr 2011	Excavation at 4111B N. Bridge Circle	East side wall, north half where sample 2151 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2188	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2189	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	2-4	5-point composite







Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4 mg/kg
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3 mg/kg
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4 mg/kg
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7 mg/kg
U13-2167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner	4-4.5	5-point comp
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4 mg/kg





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Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half	0-2	4-point comp
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B Charleston Loop	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28 mg/kg
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2 mg/kg
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, middle 1/3	0-2	4-point comp
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, south wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west end wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	0-2	5-point comp
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp

Red highlight = Confirmation soil sample that exceeds the soil screening concentration Green highlight = Quality control sample



# **Excavation Drawings**

NWI-CQCF-001.1\_Rev 0 Effective: 01/27/06



Sample Number Tables Showing Samples that Exceed Screening Level and Additional Samples Collected Post Additional Excavation Work at 4111 B North Bridge Circle and 4114 B Charleston Loop.







Confirmation Soil Samples Collected in Excavation at 4111 B North Bridge Circle, Hill AFB, UT

Location ID	Collection	Collection Area	Collected From	Depth (ft)	Soil Sample
	Date				Type/Analytical Result
U13-2184	12 Apr 2011	Excavation at 4111B N. Bridge Circle	South end wall	0-2	4-point composite
U13-2185	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, south half	0-2	4-point composite
U13-2186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	0-2	4-point composite
U13-2186 2-4	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	2-4	4-point composite/11.0 mg/kg
S13-92186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half (sample duplicate)	2-4	4-point composite
U13-2187	15 Apr 2011	Excavation at 4111B  N. Bridge Circle	East side wall, north half where sample 2151 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2188	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2189	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	2-4	5-point composite
	1		1		







Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4 mg/kg
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3 mg/kg
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4 mg/kg
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7 mg/kg
U13-2167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner	4-4.5	5-point comp
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4 mg/kg







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half	0-2	4-point comp
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B Charleston Loop	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28 mg/kg
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2 mg/kg
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, middle 1/3	0-2	4-point comp
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, south wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west end wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	0-2	5-point comp
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp

Red highlight = Confirmation soil sample that exceeds the soil screening concentration Green highlight = Quality control sample







FA8903-08-D-8786 TO 0011	North Wind, Inc	Title II Oversight Hill AFB Housing			
Project Number: KRSM20110835	(Remediation Contr is Car	Area PCR Remediation OLL 13			
Contract Number / Task Order	Contractor	Project Title / NWI Project No.			
Number		,			
		Hill AFB, UT Freedom Terrace			
11	04/21/11	Housing Area OU-13			
CQC Report Number	Date or Time Period	Location and Team			
I. Weather Conditions:					
Temp Low 37 Temp Hig	gh 37 F	Cloudy ⊠ Partly Cloudy □ Clear □			
Wind Speed 0-5 Precipitat					
From E					
	Performed This Date (Include inspection	s, results, deficiencies observed, and corrective action)			
Preparatory					
Initial					
Follow-Up  Final walk-throug		V D N- M			
Was the construction deficiency tracking	0 1	Yes No X			
	sting Ferformed This Date?	Yes ☐ No 🗵			
If yes, then complete the following:	24 11 104 11	D 1			
Type of test	Method/Matrix	Results			
1.					
2.					
3.					
4					
5.					
6 Llava Data Quality Objectives been ask	siavad?	Yes No □			
Have Data Quality Objectives been ach	lieved?	Yes No □			
IV. Have Samples Been Collect	ed for Laboratory Analysis?	Yes ☐ No ⊠			
If yes, then complete the following:					
Type of Test	EPA Test Method/Matrix	Quantity of Samples			
1.					
2.					
3.					
Have required amount of QC trip blank		Yes No No			
Have appropriate QC laboratory tests be standards, etc.)	peen ordered? (matrix spikes, method	blanks, surrogates, reference Yes \( \scale= \text{No } \scale=			
Have QA and QC samples been collect	ted in the specified quantity?	Yes □ No □			
Have samples been properly labeled as		Yes No			
V. Health and Safety.	na paonagoa.	100 🗀 110 🗀			
Worker protection levels this date:	1	Level A ☐ Level B ☐ Level C ☐ Level D ☐			
Was any work activity conducted within		Yes \( \text{No } \text{\tin}\text{\tex{\tex			
Was any work activity conducted within	•				
Were approved decontamination proce		, , ,			
Was a Job Safety Meeting held this dat		Yes ⊠ No □			
Were there any lost time accidents this					
Was hazardous waste/material released into the environment?  Yes □ No ☑					
Safety comments: (Include any infractions of a	approved safety plan, and include instructions fron	n Government personnel. Specify corrective action taken.)			
VI Work Activities Performed 1	This Date				







	Reference (DFW #/Tech Spec #)	Activity & Location	Quantity	Subcontractor
1.	(DI W #/Tech Spec #)	Job completion inspection with Mark Roginske, Hill AFB PM and Jeff Long, URS housing construction inspector.		
2.				
3.				
4.				
5				
			•	

VII.	Lobor 9	Manpowe								
VII.		ification	Number	Employer				Hours		
1.	SS/SSH		1		3					
2.	Laborer	0, 40	1		Cape Cape		3			
3.	EO					_				
3. 4.	Forema	n								
<del>5.</del> 5.	Tech			Associated Geo	otechnical Engineerin	r				
				nsultants						
6.	Title II Ir	Fitle II Inspector 1			NWI		2			
					Total	Hours	8			
VIII.	Equipm	ent.						1		
	No. of		Plant/Equipn	nent	Date of Safety		ours	Hours	Hours	
	Units		•		Check		lsed	Idle	Repai	
1. 2.	1	Dust Mor	nitor ere 135C Excavator		04/20/11	0		8		
					04/20/11					
3.	1	Bobcat T			04/20/11	1		7		
<u>4.</u>	1		vy Pickup		2		6			
5.	1		n water trailer with pur		04/08/11	0		8		
6. 7.	1	wackerv	ibrating roller trench o	compacter	04/20/11	- 0		0		
8.										
9.										
10.										
					Total Hour	s <b>3</b>		37	0	
IX.	Materia	Received	to be Incorporated into	o Job.					None 🖂	
		Acc	eptability	Sto	ed Where? Ref			eference Plans/Drawing		
1.										
2.										
3.										
X.	Submitt	als Review	red.						None 🛚	
	Submitt	al No.	Spec/Plan Refer	ence	By Whom Action Taken					
1.		•	•	•	<u> </u>					
2.										
3.										
XI.	Offsite	Surveillanc	e Activities. (include a	ction taken)					None 🛚	





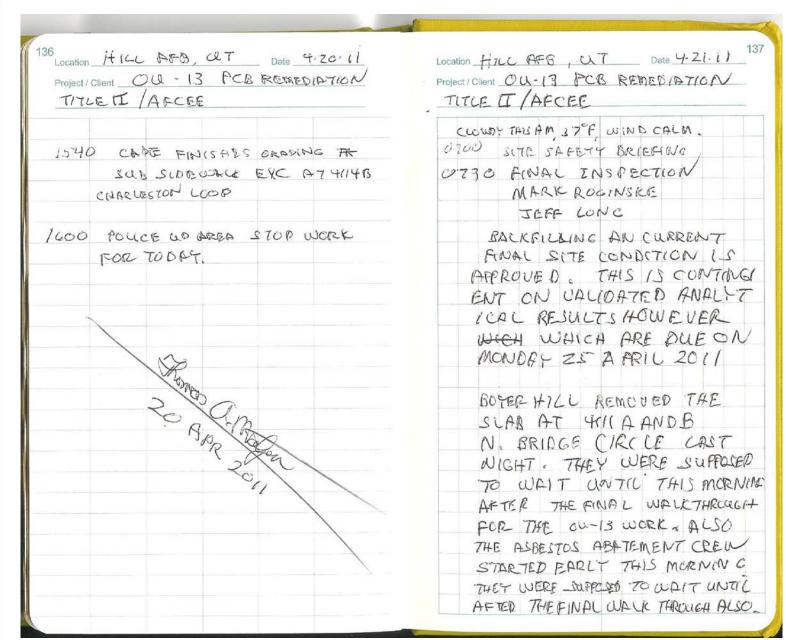
Page 3 of 5

XII.	Instructions Given by the Government to the Contractor. (Include names, reactions, and remarks)										
XIII.	Work	Progress.									
1.	Are t	here any Contractor caused delays?			Yes □	No 🛛					
2.		here any Contractor-potential findings of fact?			Yes □	No 🛛					
3.	Are t	here any Government caused delays or potential find	ing of fact?		Yes □	No 🛛					
4.	Are t	here any Government-potential findings of fact?			Yes □	No 🛛					
5.	Are t	here any unforeseeable or weather related delays?			Yes 🗌	No ⊠					
XIV.	Defic	ciency List.	_	1							
Trackii	ng No.	Deficiencies Identified (Not corrected by COB)	Tracking No.	Deficiencies C	orrected (From Deficien	cy Tracking List)					
XV.	Rem	arks. (Include any visitors to project and miscellaneous remarks pert	inent to work.)								
	Final	site condition approved contingent upon receipt of fir	nal validated analyti	ical results. Valid	ated results are due	Monday					
	25 A	oril 2011. If validated results indicate any soil screen	ing level exceedend	ces then Cape wo	uld have to return ar	nd excavate					
	any s	such areas.									
		e left 7 or 8 cy of clean structural type fill near the 411 r Hill that the fill could be left on-site	1 A and B North Br	ridge Circle site. N	/r. Roginske verified	later with					
		r Hill's asbestos abatement crew was on-site working nal site inspection.	g early this morning	. They had been	told to wait to start w	ork until after					
	Site	visitors included: Mark Roginske; Jeff Long									
		port is complete and correct, and all work reported is and specifications, except as noted above.	believed, to the bes	st of my knowledge	e, to be in complianc	e with					
CQC S	ite Mar	Tom Matzen, NWI (785.760.66	617)	Date	04/21/11						
XVI.	Gove	ernment Quality Assurance Comments. (if applicate	ole)								
		the QC report?	,,,		Yes □	No □					
		nments or exceptions:			103 🗀	МО					
Additio	niai con	intente of exceptions.									
QAR S	ignatu	re	D	ate							
Super	visor's	Initial Date									



## **Logbook Notes**

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NWI-CQCF-001.1\_Rev 0 Effective: 01/27/06







n						
FA8	903-08-D-8786 TO 0011	North Wind, Inc	Title II Oversight F	Hill AFB Housing		
Projec	t Number: KRSM20110835	(Remediation Contr is Ca	Area PCB Remed			
Cont	ract Number / Task Order	Contractor	Project Title / N	IWI Project No.		
	Number					
	40	04/05/44		Freedom Terrace		
	12 CQC Report Number	04/25/11  Date or Time Period		Area OU-13 n and Team		
	<u> </u>	Bate of Time Feriod	Location	Tana Tan		
l.	Weather Conditions:	a High FO F	Cloudy D Borthy Clou	du M. Claar D		
Temp L Wind S		o High50 F ipitation ⊠No □Yes	Cloudy Partly Clou	dy ⊠ Clear □		
From	W Frech	pitation [ Tes				
II.	Quality Control Inspecti	ons Performed This Date (Include inspectio	ns, results, deficiencies observed, and corrective	re action)		
Prepara	atory 🔲					
Initial	5					
Follow-	· —	ompact additional excavation		Vaa □ Na ☑		
III.		cking list updated this date?  I Testing Performed This Date?		Yes □ No ☒		
	then complete the following:	resting remormed this bate.		Yes ☐ No ☒		
ii yes, t	Type of test	Method/Matrix	Results			
1.	Compaction testing	Troxler nuclear gage	Nosako	,		
2.	- Compaction tooming	Tromer madean gage				
3.						
4						
5.						
6						
Have D	ata Quality Objectives been	achieved?		Yes No □		
IV.	Have Samples Been Col	lected for Laboratory Analysis?		Yes □ No ☒		
If yes, t	hen complete the following:		T			
	Type of Test	EPA Test Method/Matrix	Quantity of Sa	amples		
1.	Soil confirmation	8082 PCBs in soil	One 4-point composite			
2.						
3.						
	· ·	lanks and rinseates been achieved?	Iblanka aumanatas artemas	Yes ⊠ No □		
	ppropriate QC laboratory tearns, etc.)	sts been ordered? (matrix spikes, method	blanks, surrogates, reference	Yes ⊠ No □		
		ollected in the specified quantity?		Yes ⊠ No □		
Have s	amples been properly labele	ed and packaged?		Yes ⊠ No □		
V.	Health and Safety.					
Worker	protection levels this date:		Level A 🗌 Level B 🗍 Leve	el C 🗌 🛮 Level D 🖾		
	ny work activity conducted w	· ·		Yes ☐ No ☒		
	•	rithin an area determined to be immediate	•	Yes ☐ No ⊠		
		rocedures used on workers and equipme	nts as required?	Yes ⊠ No □		
	Job Safety Meeting held this		alatad agaidant variant\	Yes ⊠ No □		
	· ·	this date? (If YES, attach copy of compassed into the environment?	neted accident report)	Yes ☐ No ☒		
		eased into the environment?  ns of approved safety plan, and include instructions fro	m Government personnel. Specify corrective as	Yes ☐ No ☒		
Jaioty	Commonto. (include any initaction	to or approved salety plan, and include instructions ind	in Government personner. Specify corrective at	non taken.j		





VI.	Work Activities Performed This Date.								
	Reference	Activity & Location	Quantity	Subcontractor					
	(DFW #/Tech Spec #)								
1.	WP	Additional excavation at 4114B Charleston Loop carport area	20 cy	Cape					
2.	WP	Additional side wall sampling of east side wall of additional excavation at 4114B Charleston Loop carport area.	1 confirmat ion sample	MWH					
3.	WP	Survey	1	Bush and Gudgell					
4.	WP	Geotech compaction testing	2	AGEC					
5									

т.	V V I		Ocotech compa	ction testing					AGE		
5											
/II.	Labor &	Manpower.									
111.		ification									
	SS/SSH		1			ape		4	11001		
	Laborer		1			ре		4			
	Sample	Sample tech 1			MV	VH		2			
	Foremai										
	Tech			Associate		chnical Enginee ultants	ering	1			
	Title II Ir	nspector	1		N\	WI		4	4		
						To	otal Hours	15			
/III.	Equipm	ent.					1				
	No. of Units				Date of Safety Check		lours Jsed	Hours Idle	Hours Repair		
	1	Dust Monito	or			0					
	1	John Deere	135C Excavator			04/25/11 2			6		
	1	Bobcat T250	0			04/25/11 2			6		
	1	2500 Chevy	Pickup			04/25/11 2			6		
	1		vater trailer with pur		)	04/08/11	0		8		
	1	Wacker vibr	compacter		04/20/11	0		8			
0.						I Total H	ours 3		37	0	
<b>(</b> .	Materia	I Pacaivad to	be Incorporated into	o lob		Total II	ouis   3		<u> </u>	None ⊠	
۷.	Wateria	Accep		<u> </u>	Stored	red Where?			Reference Plans/Drawings		
		7.000	taoy		0.0.00	2 11110101		1.0	1010110011101	, <b>2</b>	
										-	
	Submitt	als Reviewed								None 🛚	
	Submitt	al No.	Spec/Plan Refer	ence	Ву	By Whom Action Taken					
•											
(I.			Activities. (include ad							None 🛛	







•											
XII.	Instructions Given by the Government to the Contractor. (Include names, reactions, and remarks)										
	-										
XIII.	Work	Progress.									
1.	Are th	nere any Contra	actor caused delays	s?			Yes □	No 🛛			
2.	Are th	nere any Contra	actor-potential findi	ngs of fact?			Yes □	No 🛛			
3.	Are th	nere any Gover	nment caused dela	ays or potential findi	ing of fact?		Yes □	No 🛛			
4.	Are th	nere any Gover	nment-potential fin	dings of fact?			Yes □	No 🛛			
5.	Are th	nere any unfore	eseeable or weathe	r related delays?			Yes □	No 🛛			
XIV.	Defic	iency List.			T.						
Tracki	ing No.	Deficien	cies Identified (Not o	Deficiencies (	Deficiencies Corrected (From Deficiency Tracking List)						
XV.		, ,		scellaneous remarks perti	,	Charleston Loon	Where Sample # 21	71_0_2 result			
			oil screening level.	cast cha of the cx	cavation At 4114B	Chancston Loop	Where Gample # 21	7 1 0 2 103uit			
	Colle	cted 4-point co	mposite from east	end wall of addition	al excavation area	(sample number	2195-0-2).				
	Surve	eyed additional	excavation area.								
	Back	filled and comp	action tested additi	onal excavation are	ea.						
	Did n	ot operate dust	monitors since ad	ditional excavation	work only required	about 20 minutes	s. No visible dust.				
	Site v	risitors included	l: Mark Roginske,	Hill AFB; Jeff Long,	URS						
			·	•	pelieved, to the bes	st of my knowledg	e, to be in complianc	e with			
contra	ct plans	and specification	ons, except as note	ed above.							
cocs	Site Mar	ager	Tom Matze	n, NWI (785.760.66	(17)	Date	04/25/11				
Jaco	Jite Mai	lagei	TOTT WALLE	11, 14441 (700.700.00	, , ,	Date	04/20/11				
XVI.	Gove	rnment Qualit	y Assurance Com	ments. (if applicab	ole)						
Concurs with the QC report? Yes □ N											
Additio	onal com	ments or excep	otions:								
QAR S	Signatuı	е			D	ate					
Super	visor's	Initial		Date							
					_						





**Date** Time Direction of View 04-25-11 0739 SE

### **Subject**

Hill AFB Housing area OU-13. Excavating additional soil from the east end of the carport excavation area at 4114B Charleston Loop. Sample #2171-0-2 collected at the east end of the original excavation area had exceeded the soil screening level.





**Date** Time Direction of View 04-25-11 0849 SW

**Subject** 

Hill AFB Housing area OU-13. Terry Price (MWH) preparing to collect confirmation sample from the east end of the additional excavation at the carport area at 4114B Charleston Loop.





**Date** Time Direction of View 04-25-11 0853 E

### **Subject**

Hill AFB Housing area OU-13. Terry Price (MWH) flagging composite confirmation sample locations at the east end of the additional excavation at the carport area at 4114B Charleston Loop (sample # 2195-0-2).





**Date** Time Direction of View 04-25-11 0900 SE

Subject

Hill AFB Housing area OU-13. Additional excavation area with composite confirmation sample locations flagged at the east end of the additional excavation at the carport area at 4114B Charleston Loop.





Date Time Direction of View

04-25-11 1028 SE

### **Subject**

Hill AFB Housing area OU-13. Surveyor staking corners of additional excavation at the carport area at 4114B Charleston Loop.





Date Time Direction of View

04-25-11 1058 SE

### **Subject**

Hill AFB Housing area OU-13. Backfilling additional excavation at the carport area at 4114B Charleston Loop with clean imported structural fill.





**Date** Time **Direction of View** 1138 SW

04-25-11

#### **Subject**

Hill AFB Housing area OU-13. Additional excavation area at the carport area at 4114B Charleston Loop backfilled and compacted. Stakes mark corners of excavation and were placed by the surveyor. The surveyor was having difficulties with the GPS and so staked the corners and measured the excavation so Cape could go ahead and backfill.





Date Time Direction of View

04-25-11 1203 S

### **Subject**

Hill AFB Housing area OU-13. Surveyor finally resolved GPS issues, surveyed the corner stakes. He had previously measured all of the excavation dimension in reference to the corner stakes so he can plot depth of excavation and location of 4-point composite subsamples.





Date **Direction of View** Time 1235 S

04-25-11

### **Subject**

Hill AFB Housing area OU-13. Compaction testing 0-1 ft in area of additional excavation at 4113B Charleston Loop carport area.





**Date** Time Direction of View 04-25-11 1239 S

**Subject** 

Hill AFB Housing area OU-13. Compaction testing 1-2 ft in area of additional excavation at 4113B Charleston Loop carport area.



# **Logbook Notes**

Project/Client OU-13 PCB REMEDIATION

TITUE II ONERSITE / AFCEE

0700 RACK ON SITE - SAFETY BRIEFING - CAPE GORS OF TO ROY CATE TO GET ENVIRO-CARE TRUCK ON BASE.

0715 ENVIROCARE END-DOMPON SITE CAPE EETTING EQUIPMENT READY

0725 START LEMOVING ADDITIONAL SOLL FROM YILLB CHARLESTON WOP WHERE SAMPLE & 2171-0-2 EXCEEDED SCIL SCREENING LEVELS (EAST END OF EXCAVATION) 0755 FINISH ADDITIONAL EXCAUATION,

0800 TERRY WITH MUH ARRIVES HE WILL BE COLLECTING THE CONFIRMATION SAMPLES COMPLETE ADDITION COODED TRUCK LEAVES 0810 CENEVA ARRIVES WITH A LOAD OF CLEAR FILL FOR THE ADDITIONAL EXCAUATION PREA

AT 41148 CHARLESTEN COOP CARPORT AREA

DI MARK ROCINSKE HAD ASKED IF THE FOO FLOOR OF THE ADDITIONAL EX CAUATION WOULD BE SAMPLED CHECKED WORK PLAN FOR THIS AND IT

Location #166 Date 425,11 Project/Client OU-13 PCB REMEDIATION

TITLE II OUERSITE/AFCER.

# DATE TOLE SUBJEC 7 ARGA WHERE BOOT 126 4-25-11 0720 \$ EXCAUPTION (S REQUIED AT HITE CHARLESTON LOOP SE REMOUND ADDITIONAL 127 W 0740 SOIL FROM EAST END OF YHEB CHAR LESTON LOOP EXCOUNTED N WHERE SAMOLE # 2171-0-2 FY CEEDED SSLS 128 " 0850 W FMWH PACKING BACT SIDE WHILE TO SAMPLE 2195-0-Z E TERRY FLACEINS 0855 127 NEW EAST SIDE WALL SAMPLE LOCKTOR AT YUUB CHARLESTEN COP ADO TIONAL EXC 130 11 0900 5 AT 4114 B CAARLESPON COO P

Project/Client OU-(3 PCB REMEDIATION

TITLE II INSPECTION / AFCEE

CONT. FROM P.138 DUSN- DUES NOT SPECIFY

ASKED TERRY ABOUT THIS. TERRY

CONSIDERS THE EAST 1/2 PLOOR SAMPLE ( WHICH WAS CLEAN) TO

COUER THE FLOOR OF THE ADDITIONAL

AREA. ALSO COH2MHILL'S PREVIOUS

WORK WOOLD INDICATE THAT 2 PT DEPTH

AND BELOW ARE CLEAN

AND MONAL EAST SIDE WACC

SAMPLES 15 2/95-0-Z

6820 WAITING FOR SURVEYOR

0825 BUSH AND GUDGELL SURVEYING PRRIVES.

0840 SURVETOR IS HAVING SATRCLITE

ISSUES GPS NOT FUNCTIONAL

SURVEYOR MEASURES PEPTH OF EXCAVA 1030

TOWA LABORD ZANATE OUR MOT

50 APS 29 DE CANTIONS 20 CAPE CAN

BO AHEAD AND BACKRICE. SURVETOR

WILL SURVEY STAKES WHEN 6PS COMET

BACK UP

Location HILL AFB Date 125.11

Project/Client OU-13 PCB REMEDIATION

TITLE II INSPECTION AFCEE

(CLEAN EILL IMPERTED EXC TAILE TO THE TAIL TO THE T 21950-2 T. T. THE CHECLESTON DEP TH

Project/Client OU-13 PCB REMEDIATION
TITLE II INSPECTION PARCEE

PHOTO COC

# sprefrage & SUBJECT 131 4.25-11 1030 S SURVETOR STHANC CORNERS OF ADDITIONAL EXCAUATION AT 4114 R CHARLESTON COOP CAPE BROKFILLING 132 11 1040 ADDITIONAL EXCAUATION 1100 SE BPLACING FINAL CIFT 133 11 IN ADDITIONAL EXCAUATION 134 " 1140 SW BACKFILL COMPLETE AT ADDITIONAL EXCAUATION AT 4114B CAPRLESTON Ett Coop S SURVEYORS SURVEYIN C 135 = 1200 ADDINE EXC. AT 4114B CHARLESTON LOOP CARPORTARISA 136 1235 5 TESTING COMPACTION G-1FT 137 1240 S TESTING COMPACTION 1-2 FT Location HILL AFB, UT Date 42511 143 Project / Client OU-13 PCB REMEDIATION TITLE I INSPECTION /AFCEE

1040 CARE IS BACKFILLING EXCAUATION 4 IN 1 FT LIFTS 11130 COMPLETE BACKFICCIONE. WAITING FOR GEOTECH (PGEC) 1200 CAR SPOKE 1205 SURVEY PROCEEDING GPS BACK UP ON LINE TOM CAPE CHECKED WITH MAPRIK RUCINSKE TO SEE IF HE WANTED TO COMBBACK OUT TO SIEN-OFFON BACKFICCING AT 41148 CHARLESTON LOOP. MARK SAID HE DID NOT TIPED TO LOOK ATIT AGAIN 1210 SURVEYOR FINISHED UP SURVEY 1235 AGEC TECHNICIAN ARRIVES TO BO COMPACTION TESTING. 0-1 FT TESTS AT 95% 1-2 87 91.4 % 1300 JER-CONC STOPS BY ALL WORK COMPLETE



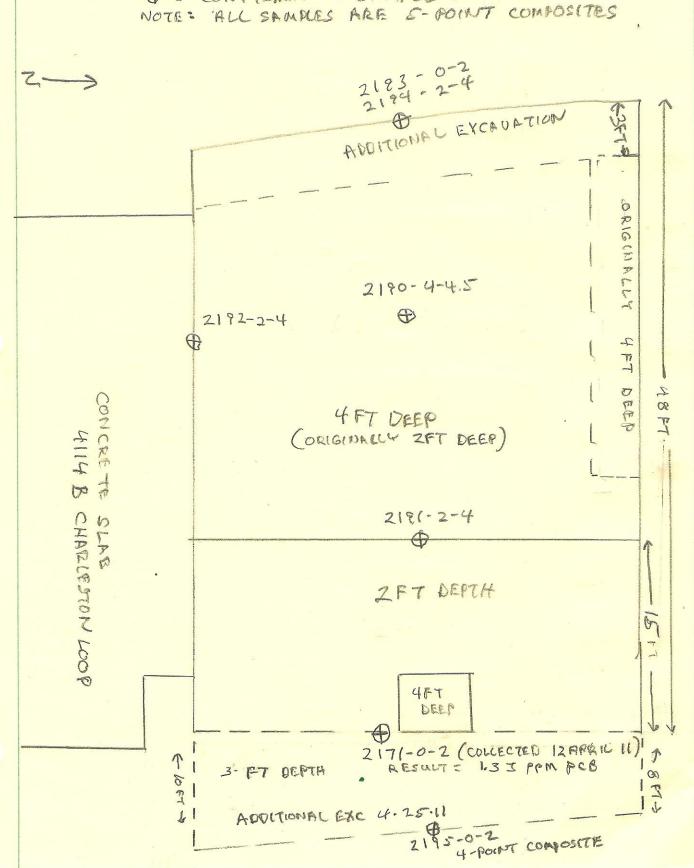
# **Excavation Drawings**

NWI-CQCF-001.1\_Rev 0 Effective: 01/27/06 EXCAUATION 4114 B CHARLES TON LOOP CARFORT

UST AFR 2011

UPDATED 25 APR 2011

TO CONFIRMATION SAMPLE LOCATION





Sample Number Table Showing Samples that Exceed Screening Level and Additional Samples Collected Post Additional Excavation Work at 4111 B North Bridge Circle and 4114 B Charleston Loop.







Confirmation Soil Samples Collected in Excavation at 4111 B North Bridge Circle, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result
U13-2184	12 Apr 2011	Excavation at 4111B N. Bridge Circle	South end wall	0-2	4-point composite
U13-2185	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, south half	0-2	4-point composite
U13-2186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	0-2	4-point composite/ND (preliminary) Validated result 4.6J mg/kg
U13-2186 2-4	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half	2-4	4-point composite/11.0 mg/kg (preliminary) Validated result 14J mg/kg
S13-92186	12 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north half (sample duplicate)	2-4	4-point composite
U13-2187	15 Apr 2011	Excavation at 4111B N. Bridge Circle	East side wall, north half where sample 2151 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2188	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	0-2	5-point composite
U13-2189	15 Apr 2011	Excavation at 4111B N. Bridge Circle	West side wall, north 1/4 where sample 2186 had indicated PCBs remained above screening levels	2-4	5-point composite



Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical
					Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4 mg/kg (preliminary) Validated Result 4.6 mg/kg (1260) and 1.5J mg/kg(1254)
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3 mg/kg (preliminary) Validated Result 1.4 mg/kg
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4 mg/kg (preliminary) Validated Result 2.6 mg/kg (1260) and 1.2J mg/kg(1254)
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7 mg/kg (preliminary) Validated Result 18 mg/kg (1260) and 2.7J mg/kg(1254)
U13-2167	12 Apr 2011	Excavation at	Bottom of 4 ft deep section in north	4-4.5	5-point comp







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
		4114B Charleston Loop	west corner		
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4 mg/kg (preliminary) Validated result 3.5 mg/kg
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half	0-2	4-point comp
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp/0.85 mg/kg (preliminary) Validated result 1.3J mg/kg
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp







Location ID	Collection Date	Charleston Learn	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2174	12 Apr 2011	Charleston Loop Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28 mg/kg (preliminary) Validated result 56J mg/kg
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2 mg/kg (preliminary) Validated result 5.3J mg/kg
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at	Sub-sidewalk excavation, west wall,	0-2	4-point comp







Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
		4114B Charleston Loop	middle 1/3		
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, south wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west end wall. This area was deepened by 2 ft and extended 3 ft west because sample	0-2	5-point comp





Page 6 of 22

Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
		2176 and 2168 exceeded the soil screening level.		
15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp
25 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall. This area was extended about 8 ft eastward because sample number 2171-0-2 exceeded the SSL	0-2	4-point comp
		25 Apr 2011 Excavation at 4114B	screening level.  15 Apr 2011  Excavation at 4114B  Charleston Loop  25 Apr 2011  Excavation at 4114B  Charleston Loop  Screening level.  Carport area, west wall. This area was extended about 8 ft eastward because sample number 2171-0-2	screening level.  15 Apr 2011  Excavation at 4114B  Charleston Loop  Carport area, west wall. This area was deepened by 2 ft and extended 2176 and 2168 exceeded the soil screening level.  25 Apr 2011  Excavation at 4114B  Charleston Loop  Carport area, east wall. This area was extended about 8 ft eastward Charleston Loop  because sample number 2171-0-2

Red highlight = Confirmation soil sample that exceeds the soil screening concentration Green highlight = Quality control sample

FA8	903-08-D-8786 TO 0011					_
		North Wind, Inc			sight Hill AFB Ho	
Projec	t Number: KRSM20110835	(Remediation Contr is Ca	pe) Ai	Area PCB Remediation OU 13		
Cont	tract Number / Task Order	Contractor		Proiect	Title / NWI Project No	).
	Number			, , , , ,	,	
			Hi	II AFB. UT	Freedom Terrac	e Housina
	13	05/09/11		, 5, 6 .	Area OU-13	o : .ouog
	CQC Report Number	Date or Time Period	<del></del>	L	ocation and Team	
-						
I.	Weather Conditions:			_	_	_
Temp I		High 50 F	Cloudy	y 🛛 Par	tly Cloudy 🗌 Clea	ar 🗌
Wind S		pitation □No ⊠Yes				
From II.	Ovality Central Inspecti	and Darfarmed This Date (1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.				
		ons Performed This Date (Include inspection	ns, results, deficienc	ies observed, and	d corrective action)	
Prepara	· <u> </u>					
Initial	□ -Up      Backfill and m					
Follow-	. —	nachine compact additional excavation			V □	Na M
Was th		cking list updated this date?  Testing Performed This Date?			Yes ∐	No ⊠
		resting Ferformed This Date:			Yes 🗌	No ⊠
If yes, t	then complete the following:					
	Type of test	Method/Matrix			Results	
1.						
2.						
3.						
4						
5.						
6						
Have D	Data Quality Objectives been	achieved?			Yes ⊠	No 🗌
IV.	Have Samples Been Col	lected for Laboratory Analysis?			Yes 🗌	No 🛛
If yes, t	then complete the following:		1			
	Type of Test	EPA Test Method/Matrix		Quant	ity of Samples	
1.	PCB analyses	8082/Soil	7 (note: conf	irmation sam	ples actually collected	d on 2 May
			2011)			
2.						
3.						
Have re	equired amount of QC trip bl	anks and rinseates been achieved?			Yes ⊠	No 🗌
		sts been ordered? (matrix spikes, metho	d blanks, surrog	ates, referen	ice Yes 🛚	No 🗌
	rds, etc.)				—	
	·	ollected in the specified quantity?			Yes ⊠	No 🗌
	amples been properly labele	ed and packaged?			Yes ⊠	No 🗌
٧.	Health and Safety.					
Worker	r protection levels this date:		Level A	Level B	Level C Lev	vel D ⊠
Was ar	ny work activity conducted w	ithin a confined space?			Yes □	No 🛛
Was ar	ny work activity conducted w	ithin an area determined to be immediate	ely dangerous to	o life and hea	alth? Yes □	No 🛛
Were a	approved decontamination pr	rocedures used on workers and equipme	ents as required	?	Yes ⊠	No 🗌
Was a	Job Safety Meeting held this	s date?			Yes ⊠	No 🗌
Were tl	here any lost time accidents	this date? (If YES, attach copy of com	pleted acciden	t report)	Yes □	No 🛛
Was ha	azardous waste/material rele	eased into the environment?			Yes □	No 🛛
Safety	comments: (Include any infraction	ns of approved safety plan, and include instructions fro	m Government perso	onnel. Specify co	rrective action taken.)	
VI.	Work Activities Perform	ed This Date.				
	Reference	Activity & Location		Quantity	Subcontra	ctor
	(DFW #/Tech Spec #)	, , , , , , , , , , , , , , , , , , , ,				

1.	WP			Additional excav	vation at 4114B	3 Charlesto	n Loop	20 cy		Cape	)
2.	WP			Survey				1		Bush and G	Gudgell
3.											
4.											
5											
VII.	Labor 8	k Manpowe	r.								
	Class	ification		Number		Emp	loyer			Hour	S
1.	SS/SSH	IO/QC		1		Ca	аре		5		
2.	Survey			1		Bush &	Gudgell		5		
3.											
4.											
5.											
6.	Title II Ir	nspector		1		N'	WI		5		
	•	•	•					Total Hours	15		
VIII.	Equipm	ent.							•		
	No. of			Plant/Equipn	aant		Date of Sa	ofoty l	Hours	Hours	Hours
	Units			Flant/Equiph	nent		Check		Jsed	Idle	Repair
1.											
2.	1	Caterpilla	ar 311	Excavator			05/09/11	4		0	
3.	1	2500 Che	vv Pic	kun			05/09/11	2		3	
4.	1	2000 0	,,,	мир							
5.											
6.											
7.											
8.											
9.											
10.											
	•						Total	Hours 6		3	0
IX.	Materia	I Received	to be I	Incorporated int	o Job.						None 🛛
			eptabi			Stored	d Where?		Re	ference Plan	s/Drawings
1.		Acceptab				Placed ir	n Excavation			WP	
2.											
3.											
Х.	Submit	tals Review	/ed.								None 🛚
7				Casa/Dian Dafan		D.	. \\//			ation Talean	
4	Submitt	ai no.		Spec/Plan Refer	ence	В	y Whom		F	Action Taken	
1. 2.											
3.											
XI.	Officito	Survoilland	Activ	vities. (include a	otion takon)						None 🛛
AI.	Onsite	oui veilialic	e Acti	vities. (include a	ction taken)						None 🖂
XII.	Instruct	tions Given	hv the	e Government to	the Contracto	Or (Include n	ames reactions	Verba	Πν	Vritten	None 🛛
AII.	and remark		ı by un	c Government to	o the contract	OI. (Illicidae II	ames, reactions,	VCIDA	υ '	viitteii 🗀	None 2
XIII.		rogress.									
1.	Are ther	e any Conti	actor c	caused delays?						Yes 🗌	No 🛛

2.							
	Are there any Contractor-potential findings of fact?		Yes ☐ No ☒				
3.	Are there any Government caused delays or potential find	Yes ☐ No ☒					
4.	Are there any Government-potential findings of fact?	Yes ☐ No ☒					
5.	Are there any unforeseeable or weather related delays?	Yes ☐ No 🛛					
XIV.	Deficiency List.						
Trackin	ng No. Deficiencies Identified (Not corrected by COB)	Tracking No.	Deficiencies Corrected (From Deficiency Tracking List)				
XV.	Remarks. (Include any visitors to project and miscellaneous remarks per	tinent to work.)					
	Excavated an additional 20 Cy (approximate) from the ear 2195-0-2 result had exceeded the soil screening level.	st end of the excava	ation At 4114B Charleston Loop Where Sample #				
	Surveyed additional excavation area.						
	Backfilled and excavator compacted additional excavation	n area.					
	Did not operate dust monitors since additional excavation work only required about 20 minutes. No visible dust.						
		work only required	about 20 minutes. No visible dust.				
	Site visitors included: None	work only required	about 20 minutes. No visible dust.				
	· · · · · · · · · · · · · · · · · · ·	work only required	about 20 minutes. No visible dust.				
contrac	· · · · · · · · · · · · · · · · · · ·	believed, to the bes					
contrac	Site visitors included: None  bove report is complete and correct, and all work reported is ct plans and specifications, except as noted above.  Gite Manager Robert Piper, NWI (801.520.9)  Government Quality Assurance Comments. (if applications)	believed, to the bes	ot of my knowledge, to be in compliance with  Date 05/09/11				
contrac  CQC S  XVI.  Concur	Site visitors included: None  sove report is complete and correct, and all work reported is ct plans and specifications, except as noted above.  Site Manager Robert Piper, NWI (801.520.9)  Government Quality Assurance Comments. (if applications with the QC report?	believed, to the bes	st of my knowledge, to be in compliance with				
CQC S  XVI.  Concur	Site visitors included: None  bove report is complete and correct, and all work reported is ct plans and specifications, except as noted above.  Gite Manager Robert Piper, NWI (801.520.9)  Government Quality Assurance Comments. (if applications)	believed, to the bes	ot of my knowledge, to be in compliance with  Date 05/09/11				
CQC S  XVI.  Concur  Addition	Site visitors included: None  sove report is complete and correct, and all work reported is ct plans and specifications, except as noted above.  Site Manager Robert Piper, NWI (801.520.9)  Government Quality Assurance Comments. (if applications with the QC report?	believed, to the bes	ot of my knowledge, to be in compliance with  Date 05/09/11				



Date **Time** 0920 **Direction of View** 05-09-11 N

Subject
Hill AFB Housing area OU-13. Excavating additional soil from the east end of the carport excavation area at 4114B Charleston Loop.



**Time** 1007 **Direction of View** Date 05-09-11 NW

Subject
Hill AFB Housing area OU-13. Native? material reached at 4 ft bgs in additional excavation at 4114B Charleston Loop.



Date Time **Direction of View** 1017 05-09-11 N

Subject
Hill AFB Housing area OU-13. One half of the additional excavation completed at 4114B Charleston Loop.



DateTimeDirection of View05-09-111100SW

### Subject

Hill AFB Housing area OU-13. Re-grade and machine compaction prior to placing backfill at the additional excavation at 4114B Charleston Loop.



**Direction of View** Date Time

1129 05-09-11 SE

**Subject**Hill AFB Housing area OU-13. Backfill material for the additional excavation at 4114B Charleston Loop.



Date **Direction of View** Time 1140 05-09-11 SE

Subject
Hill AFB Housing area OU-13. Backfilling with clean fill and machine compaction of the additional excavation at 4114B Charleston Loop.



DateTimeDirection of View05-09-111138SW

Subject

Hill AFB Housing area OU-13. Final grade of backfill on the additional excavation area at 4114B Charleston Loop.

## **Logbook Notes**

Location Hill AFB, UT Date 5-9-11 Project/Client OU-1010 Title II Inspection/AFCEE

PHOTO COC Weathers RAINING
50°F 5/9/11 0920 Pre-excavationgrade 5/9/11 0950 Surface excavation 5/4/11 1007 Parent material Reached @ 4' bas 5/9/11 1017 Parent And backRill materials 5/9/11 1100 Grade And compaction prior to back Filling 5/9/11 1129 BACK Fill material 5/9/11 1140 Back Rill And. machine compaction 5/9/11 1150 FINA grade with machine compaction ONESite Companies: NWI - Bob Piper 801-520-9363 Cape - Tom Strader 480-268-0195 EmirocARE - Driver Bush & Gudgell - Arrow Innbrit 801-707- 611b

Location //il) AFB, UT Date 5-9-1/ Project/Client OU-13 PCB Remediation TIME TITLE IT INSPECTION/AFLER 0830 - Excavator From Howe Kental on-site. Enviro-care End dump on- site 0920 - CAPE STATED EXCAUATION OF AreA SURVeyed. Bush + Gudgell Inc. AAron INAbnit-surveyor 1030 - Excavation complete CONFIRMATION SURVEY CONDUCTED. All contamusted AVEAS WEVE INCUPED Do sampling required

BACKFILL material on-site 1100 -BACK Fill process started by CAPE 1200 -Final grade complete Excavator cleaned and Fueled Exit West Point Securit 1245 -AREA EXCAUNTOR Excavated to 4' bas

# **Excavation Drawings**

# **Sample Number Tables**

### Confirmation Soil Samples Collected in Excavations at 4114 B Charleston Loop, Hill AFB, UT

Location ID	Collection Date	Collection Area	Collected From	Depth (ft)	Soil Sample Type/Analytical Result (mg/kg)
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	0-2	4-point comp
U13-2163	12 Apr 2011	Excavation at 4114B Charleston Loop	North sidewall, west half	2-4	4-point comp
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	0-2	4-point comp/3.4
U13-2164	12 Apr 2011	Excavation at 4114B Charleston Loop	North west corner	2-4	4-point comp/1.3
U13-2165	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall of 4 ft deep section in north west corner	2-4	4-point comp/3.4
U13-2166	12 Apr 2011	Excavation at 4114B Charleston Loop	East wall of 4 ft deep section in north west corner	2-4	4-point comp/12.7
U13-2167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner	4-4.5	5-point comp
S13-92167	12 Apr 2011	Excavation at 4114B Charleston Loop	Bottom of 4 ft deep section in north west corner (sample duplicate)	4-4.5	5-point comp
U13-2168	12 Apr 2011	Excavation at 4114B Charleston Loop	West end wall	0-2	4-point comp/2.4
U13-2169	12 Apr 2011	Excavation at 4114B Charleston	South wall, west half	0-2	4-point comp

		Loop			
U13-2169	12 Apr 2011	Excavation at 4114B Charleston Loop	South wall, west half (MS/MSD)	0-2	4-point comp
U13-2170	12 Apr 2011	Excavation at 4114B Charleston Loop	South sidewall, east half	0-2	4-point comp
U13-2171	12 Apr 2011	Excavation at 4114B Charleston Loop	East end wall	0-2	4-point comp
U13-2172	12 Apr 2011	Excavation at 4114B Charleston Loop	North side wall, east half	0-2	4-point comp
U13-2173	12 Apr 2011	Excavation at 4114B Charleston Loop	All four walls of 4 ft deep area in middle of east end of excavation.	2-4	4-point comp
U13-2174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation.	4-4.5	5-point comp
S13-92174	12 Apr 2011	Excavation at 4114B Charleston Loop	Floor of 4 ft deep area in middle of east end of excavation (sample duplicate)	4-4.5	5-point comp
U13-2175	12 Apr 2011	Excavation at 4114B Charleston Loop	East half of excavation, floor	2-2.5	5-point comp
U13-2176	12 Apr 2011	Excavation at 4114B Charleston Loop	West half of excavation, floor	2-2.5	5-point comp/28
U13-2177	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, north 1/3	0-2	4-point comp
U13-2178	12 Apr 2011	Excavation at 4114B Charleston	Sub-sidewalk excavation, east wall, middle 1/3	0-2	4-point comp

		Loop			
U13-2179	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, east wall, south 1/3	0-2	4-point comp/4.2
U13-2180	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, south 1/3	0-2	4-point comp
U13-2181	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, middle 1/3	0-2	4-point comp
U13-2182	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, west wall, north 1/3	0-2	4-point comp
U13-2183	12 Apr 2011	Excavation at 4114B Charleston Loop	Sub-sidewalk excavation, floor	2-2.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor	4-4.5	5-point comp
U13-2190	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, floor (MS/MSD)	4-4.5	5-point comp
U13-2191	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because sample 2176 exceeded the soil screening level.	0-2	5-point comp
U13-2192	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall of west half of area deepened to 4 ft total depth. This area was deepened by 2 ft because samples 2176 and 2168 exceeded the soil screening level.	2-4	5-point comp
U13-2193	15 Apr 2011	Excavation at	Carport area, west end wall. This area	0-2	5-point comp

		4114B Charleston Loop	was deepened by 2 ft and extended 3 ft west because sample 2176 exceeded the soil screening level.		
U13-2194	15 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, west wall. This area was deepened by 2 ft and extended 3 ft west because sample 2176 exceeded the soil screening level.	2-4	5-point comp
U13-2195	25 Apr 2011	Excavation at 4114B Charleston Loop	Carport area, east wall. This area was extended about 8 ft eastward because sample number 2171-0-2 exceeded the SSL	0-2	4-point comp/1.21J
U13-2196	2 May 2011		East end of carport excavation area (additional excavation required because 2195 exceeded the screening level)	0-1.5	
U13-2197	2 May 2011		East end of carport excavation area (additional excavation required because 2195 exceeded the screening level)	0-1.5	
U13-2198	2 May 2011		Backfill?	0-1.5	
U13-2199	2 May 2011		Backfill?	0-1.5	
U13-2200	2 May 2011		East end of carport excavation area (additional excavation required because 2195 exceeded the screening level)	0-1.5	
U13-2201	2 May 2011		East end of carport excavation area (additional excavation required because 2195 exceeded the screening level)	0-1.5	
U13-2202	2 May 2011		East end of carport excavation area (additional excavation required because 2195 exceeded the screening level)	0-1.5	